

PATENT

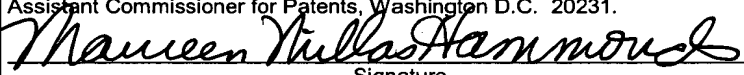
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of)
)
Munro et al.)
)
Serial No.:)
)
Filed: July 30, 1998)
)
For: METHOD AND APPARATUS)
FOR DISCRIMINATING AND)
COUNTING DOCUMENTS)

Atty Dkt No.: 47171-00125USC2
Group Art Unit: Unknown
Examiner: Unknown

TRANSMITTAL OF FORMAL DRAWINGS

Assistant Commissioner
for Patents
Washington, D.C. 20231

EXPRESS MAIL MAILING LABEL	
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<div style="text-align: center;"> Signature</div>	

Dear Sir:

Enclosed are eight-one (81) sheets of formal drawings including Figures 1-68.

Applicants understand that no additional fees are required. However, if the Office determines that any comparison fees or other additional fees are required, the Commissioner is authorized to charge any such fees to Jenkins & Gilchrist Deposit Account No. 10-0447/47171-00125USC2(CUMM:125—2).

If there are any matters which may be resolved or clarified through telephone interview, the Official Draftsman is respectfully requested to contact Applicants' undersigned attorney at the number indicated.

Respectfully submitted,



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Reg. No. 38,206
JENKENS & GILCHRIST
1445 Ross Avenue, Suite 3200
Dallas, TX 75201-2799
312/425-8517

005060" T8455960

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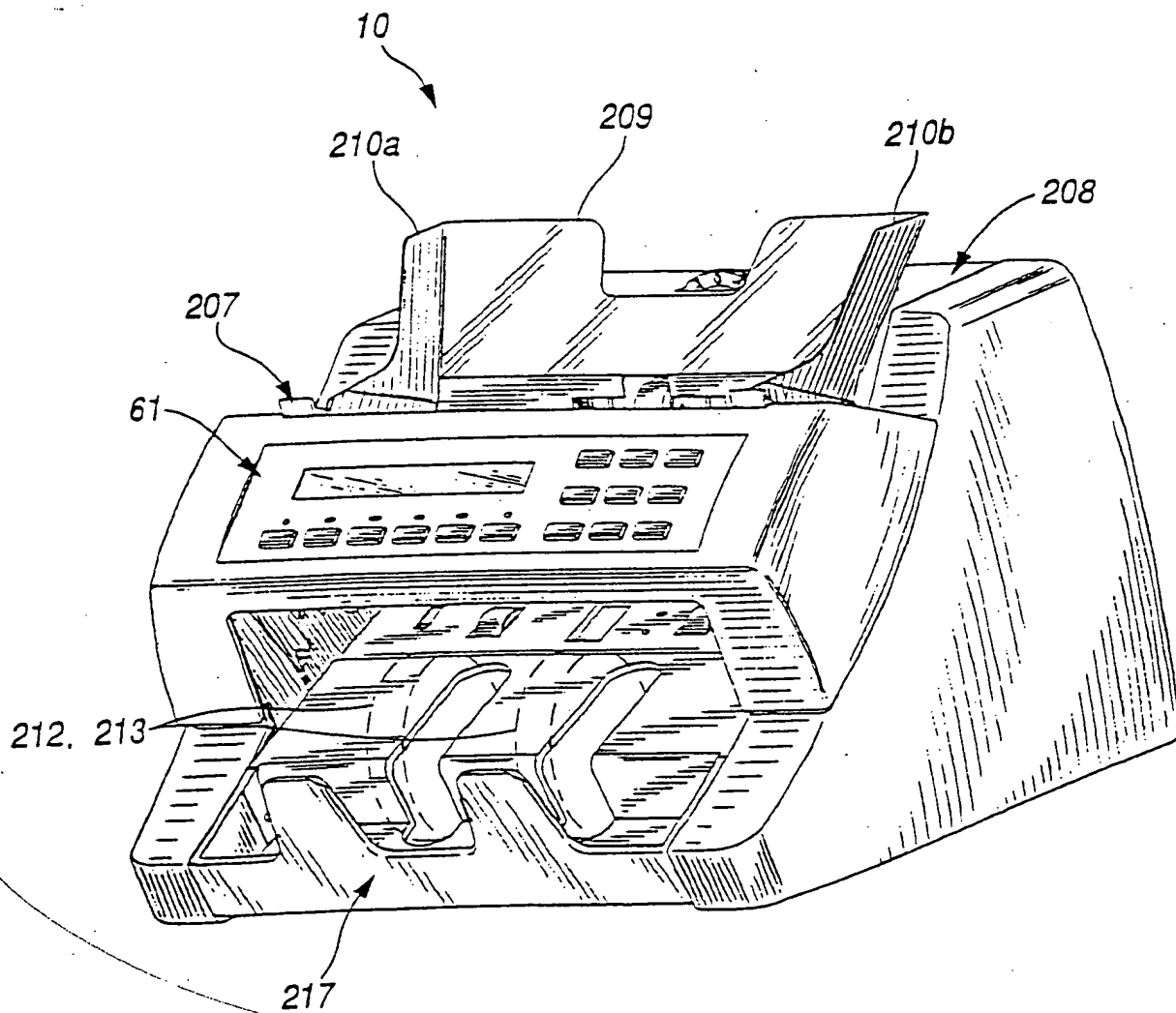


FIG. 1

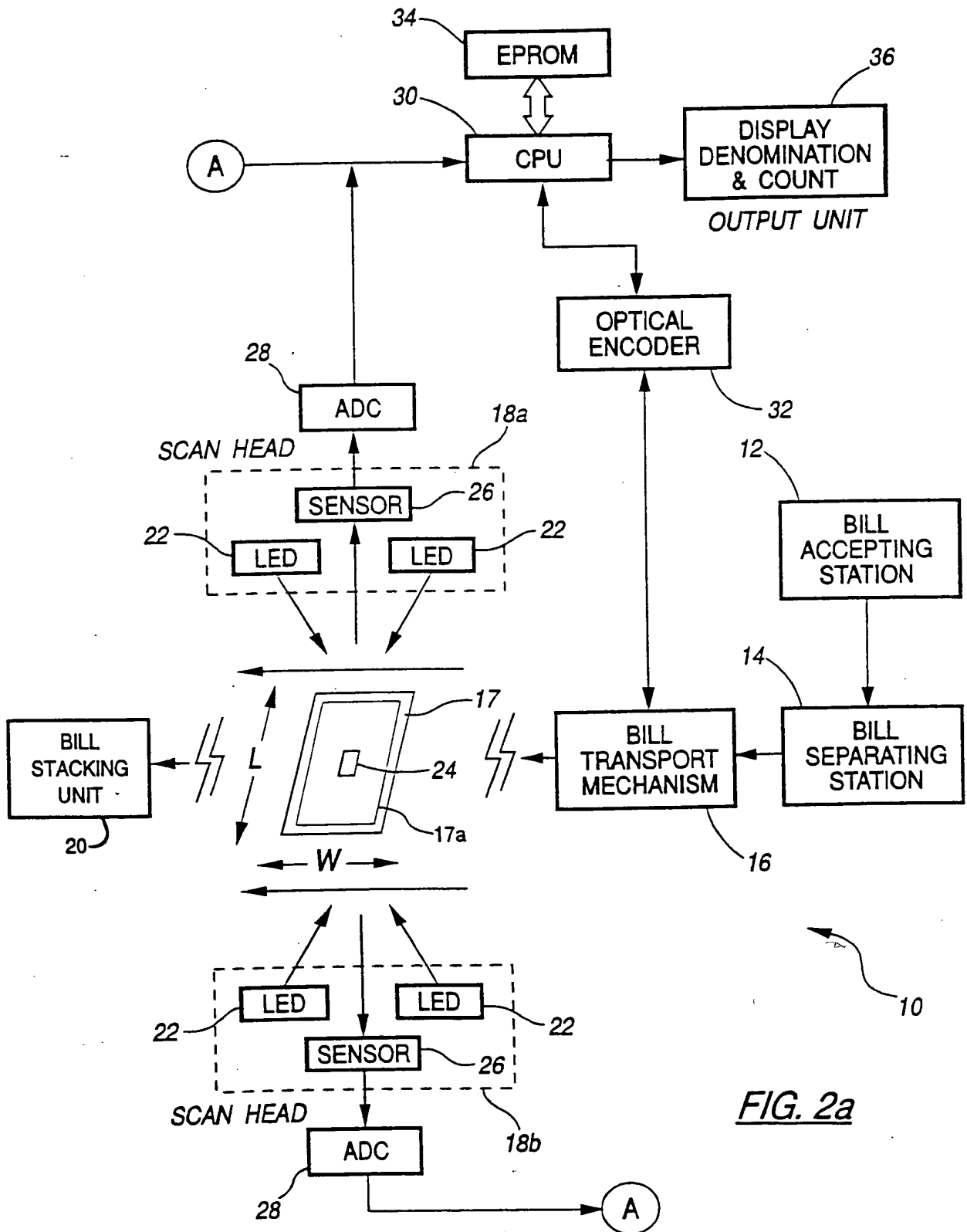


FIG. 2a

005060" T845960

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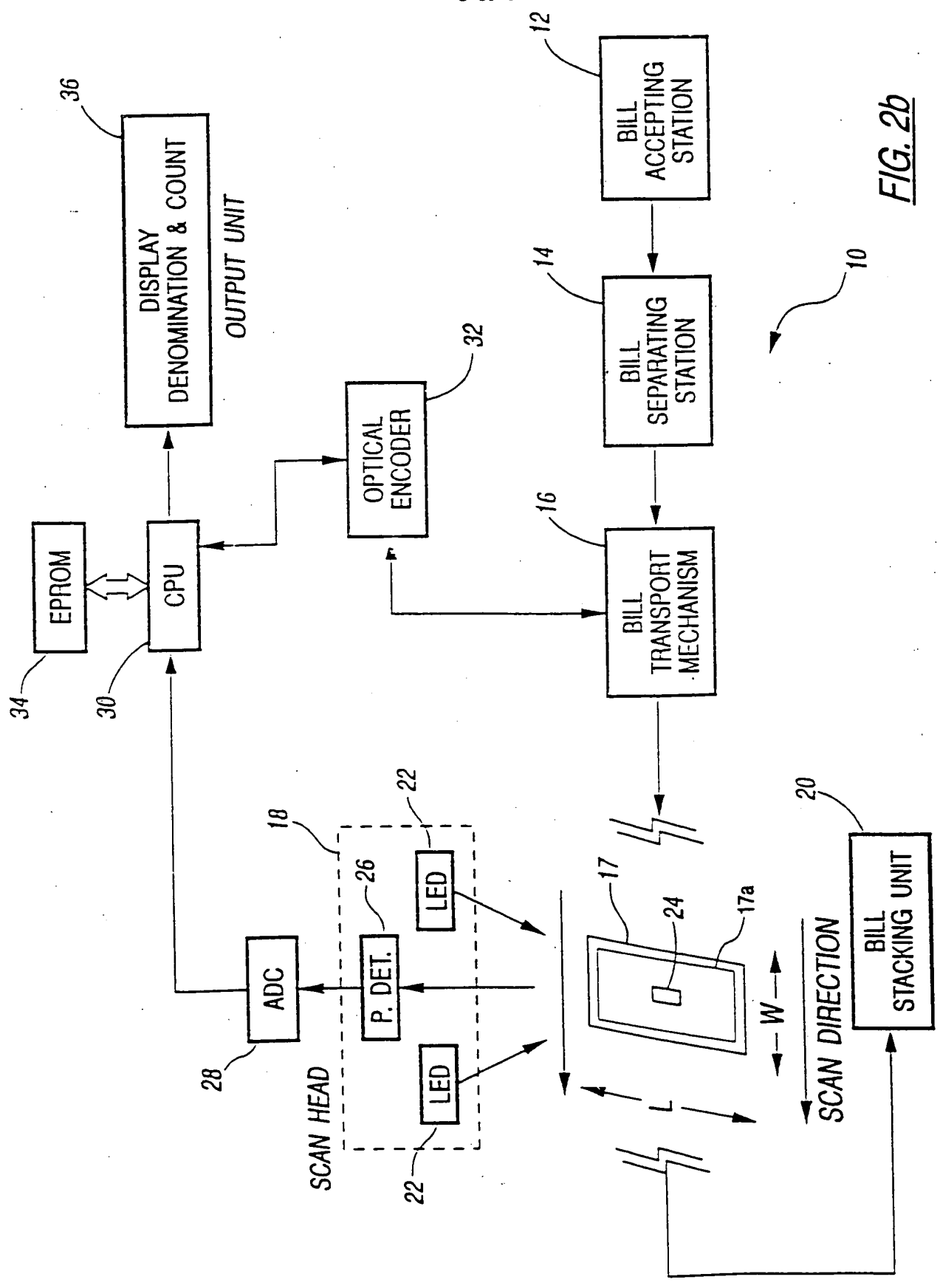


FIG. 2b

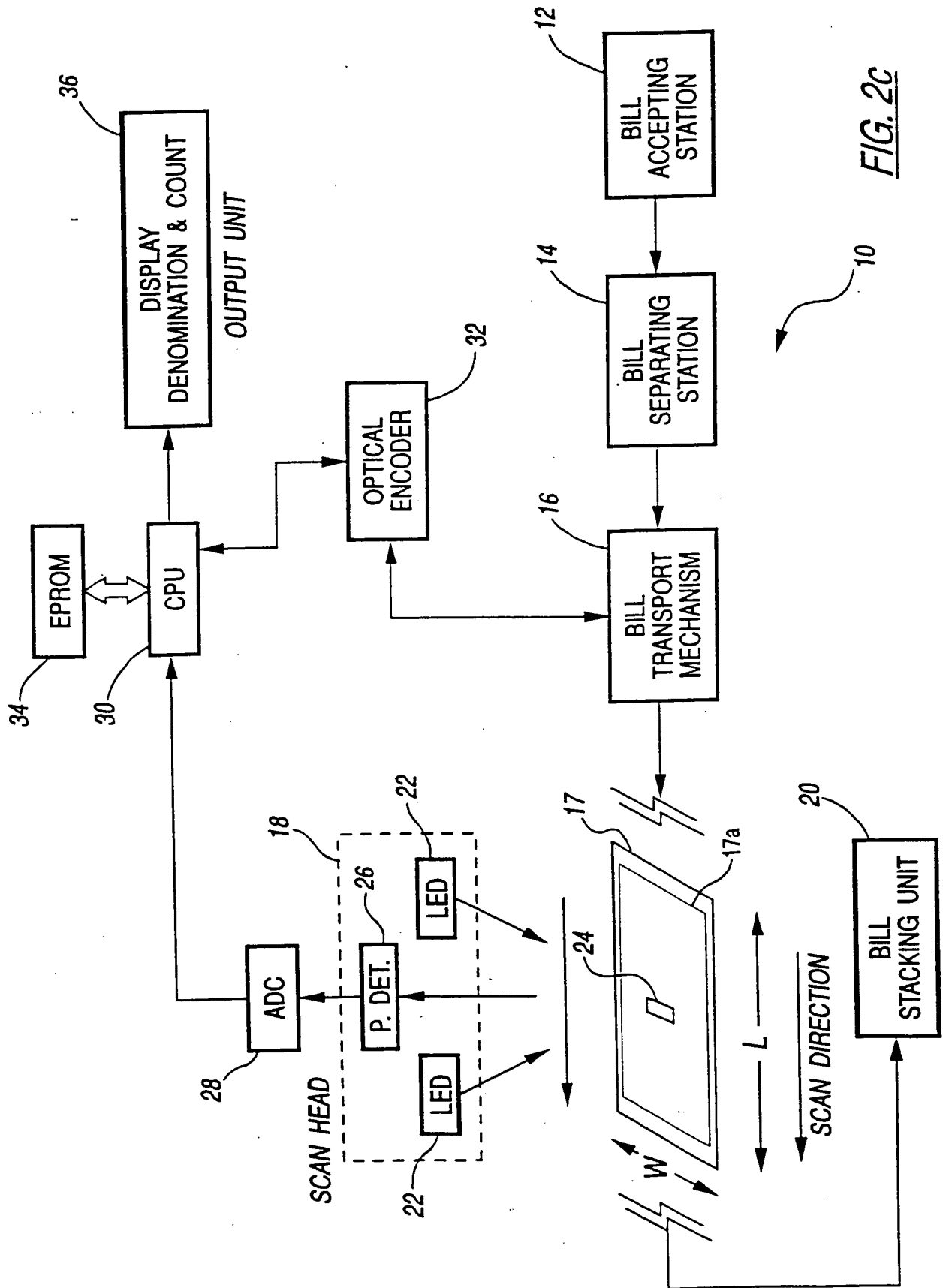
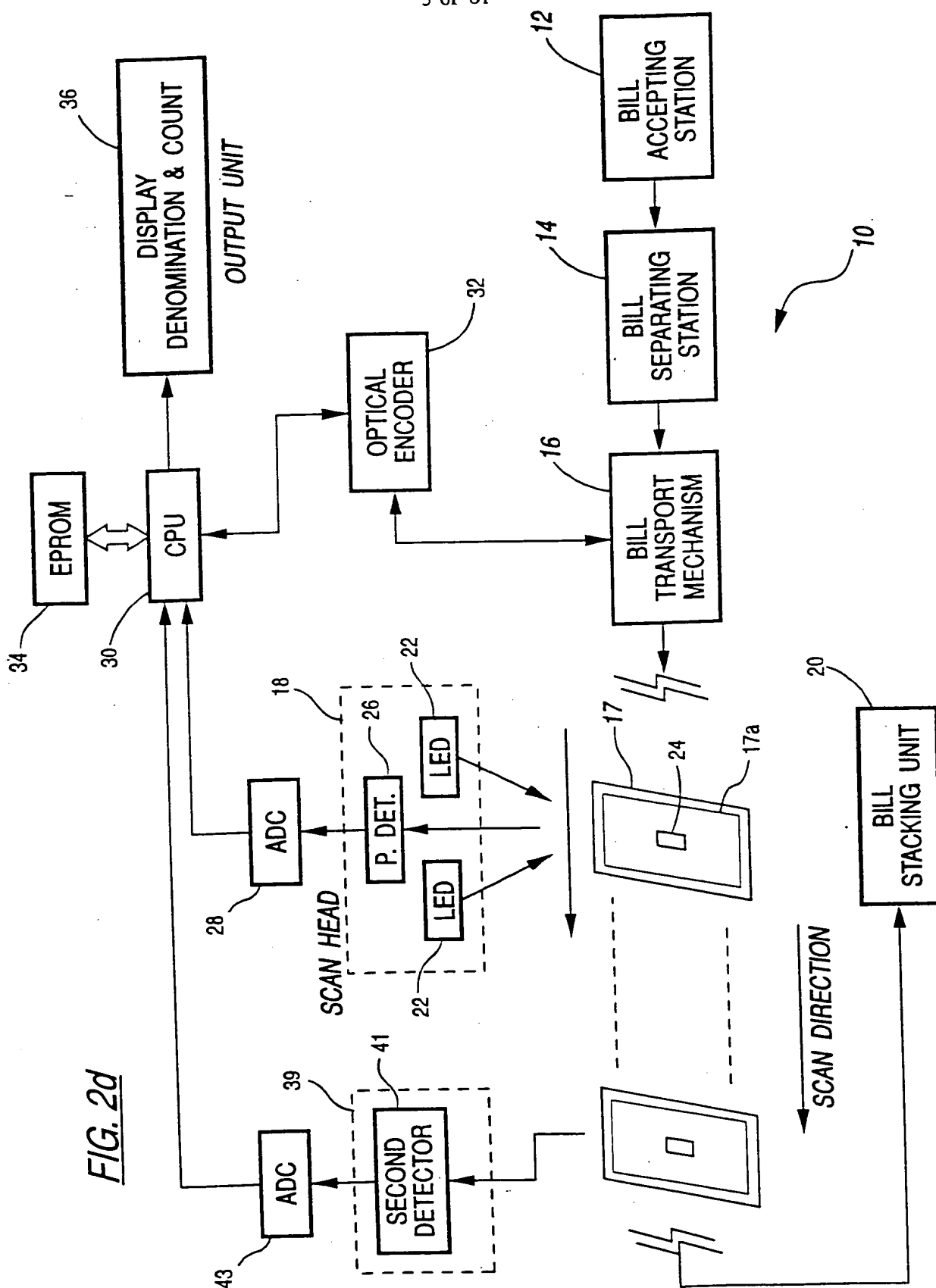


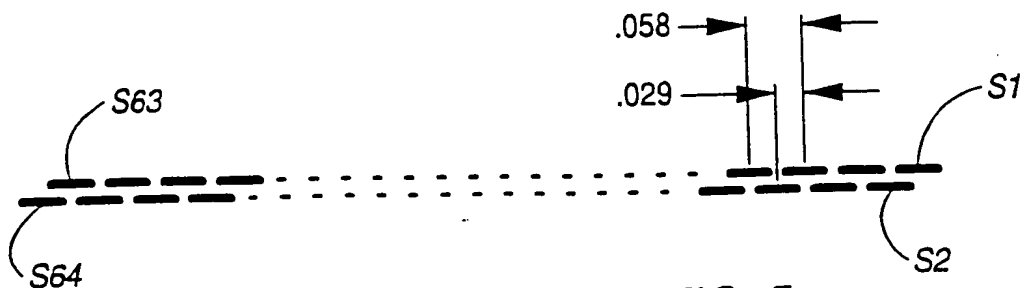
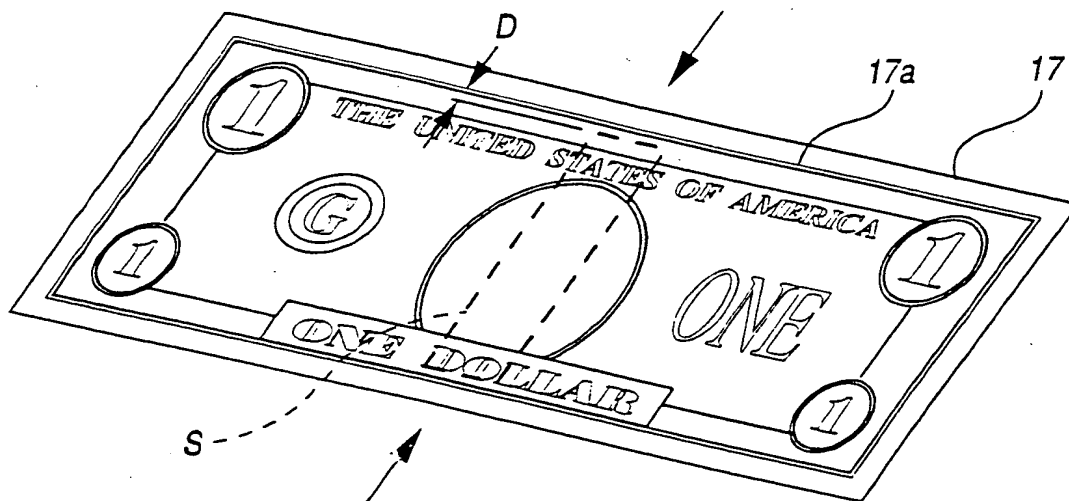
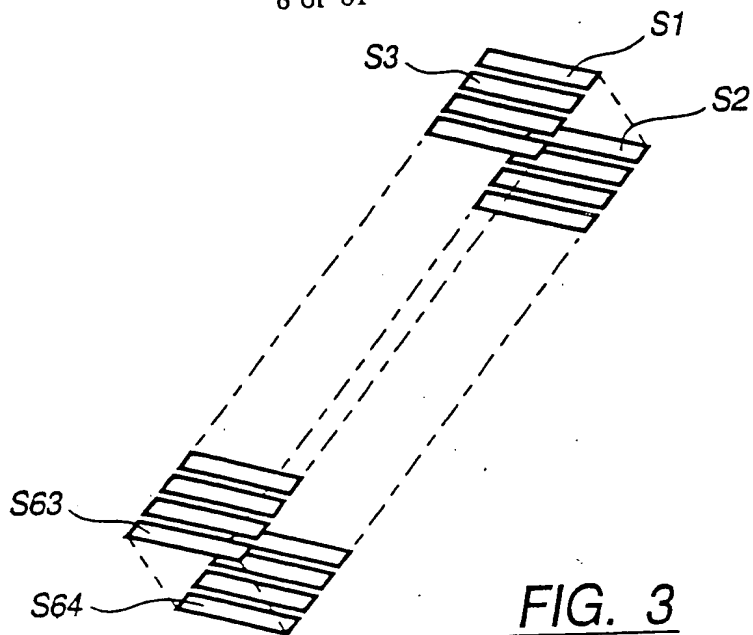
FIG. 2c

FIG. 2d



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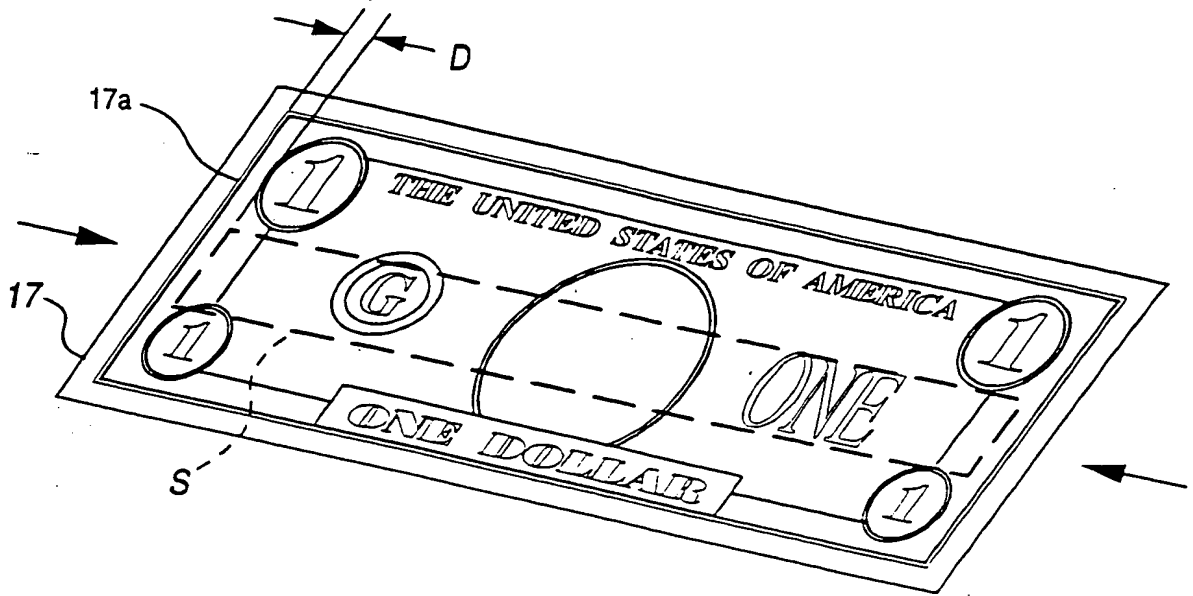


FIG. 4b

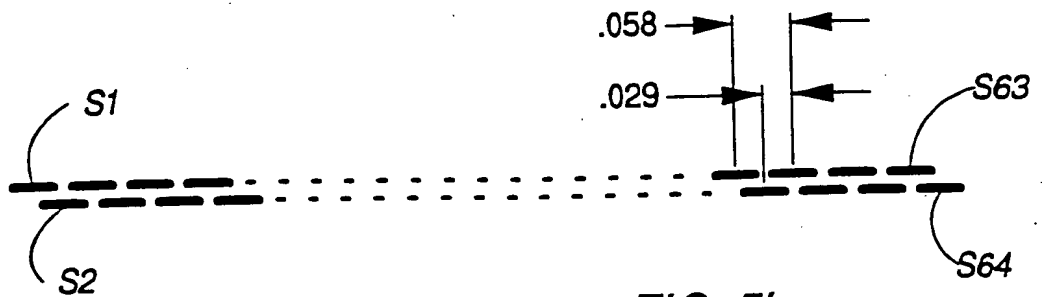


FIG. 5b

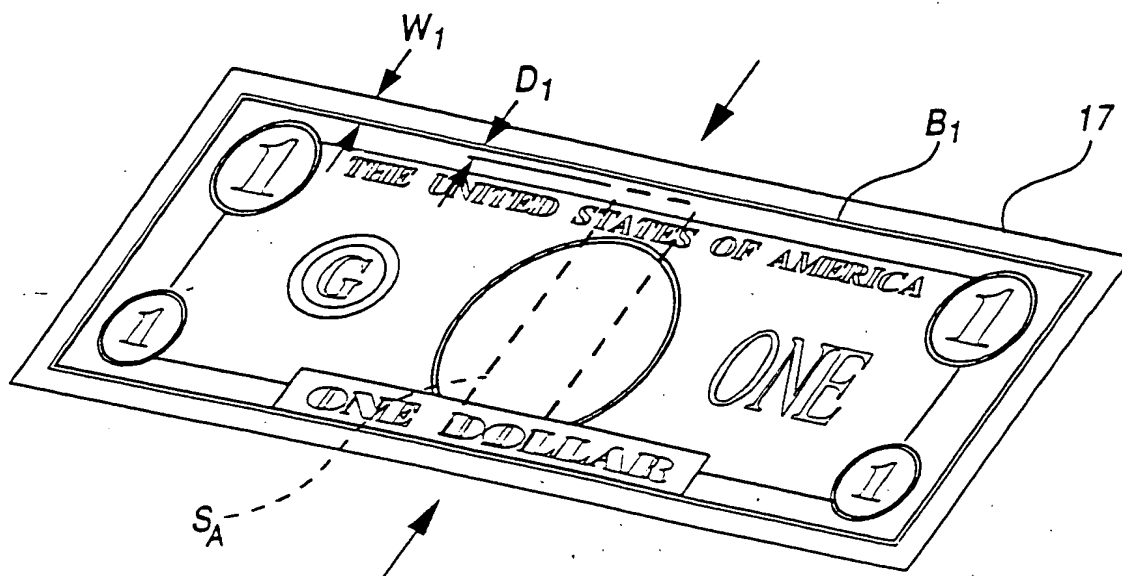


FIG. 6a

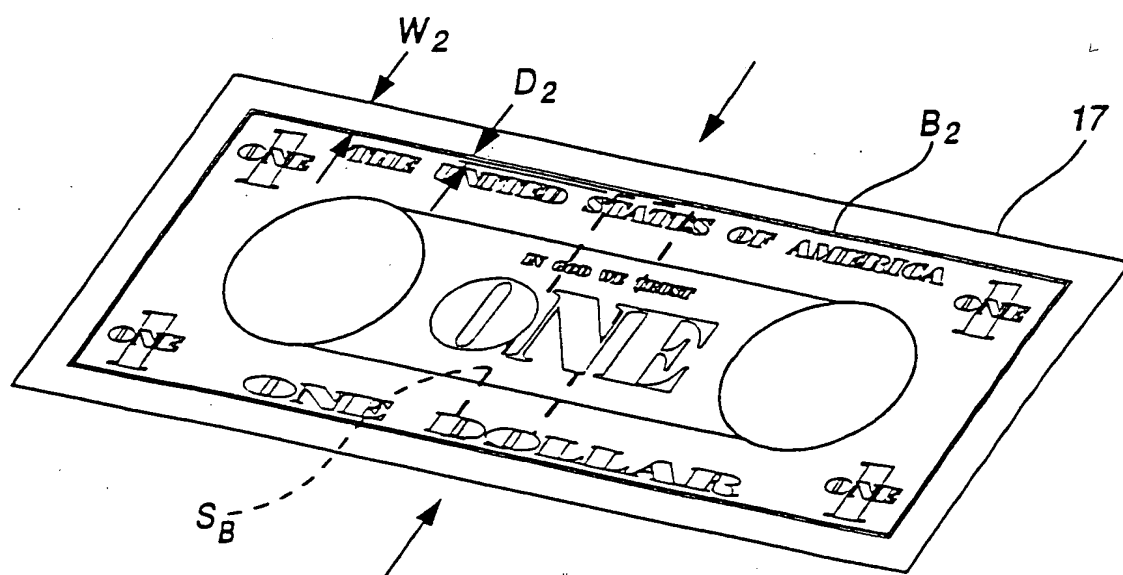


FIG. 6b

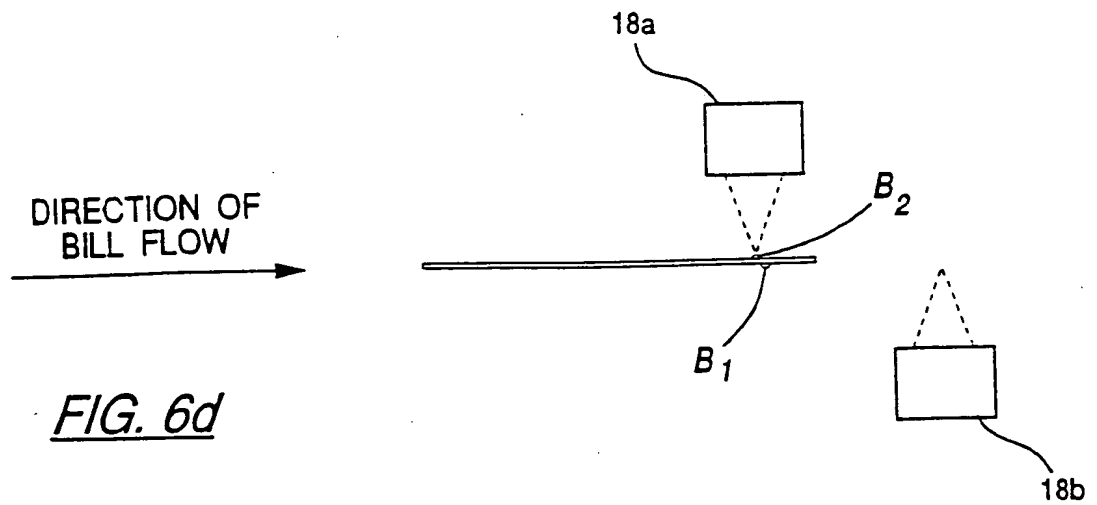
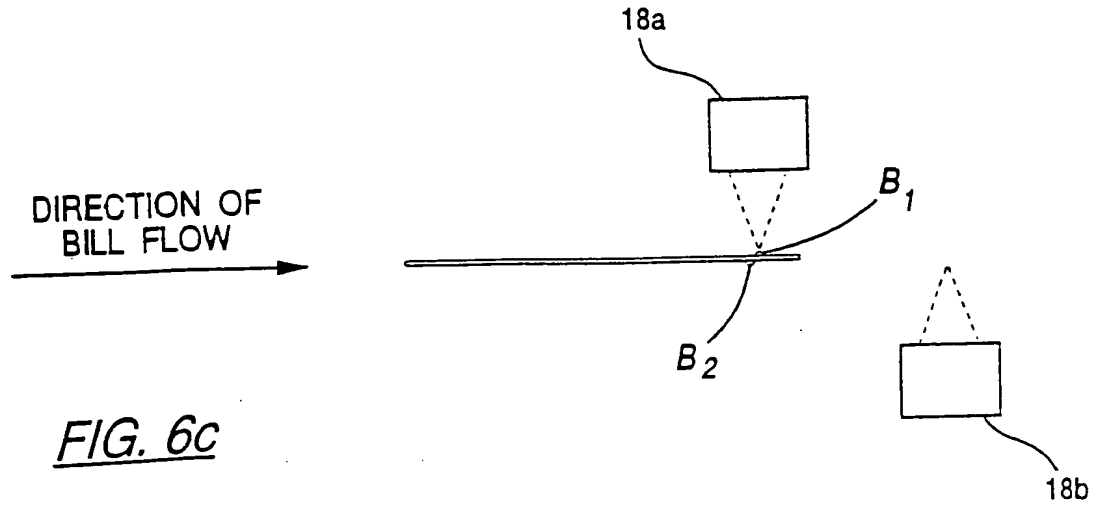


FIG. 7a

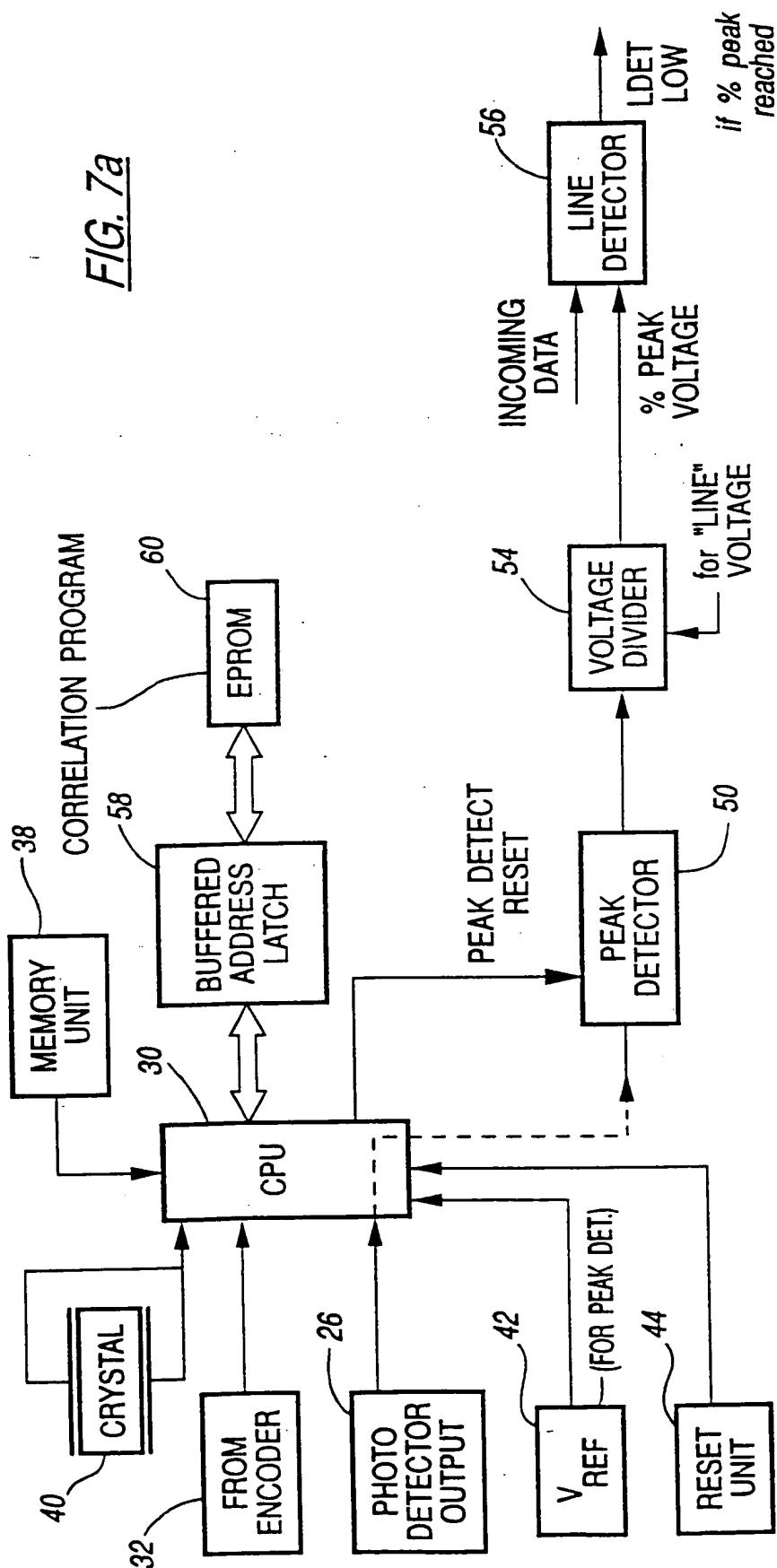
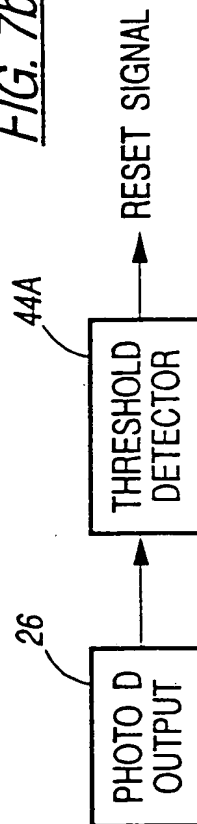
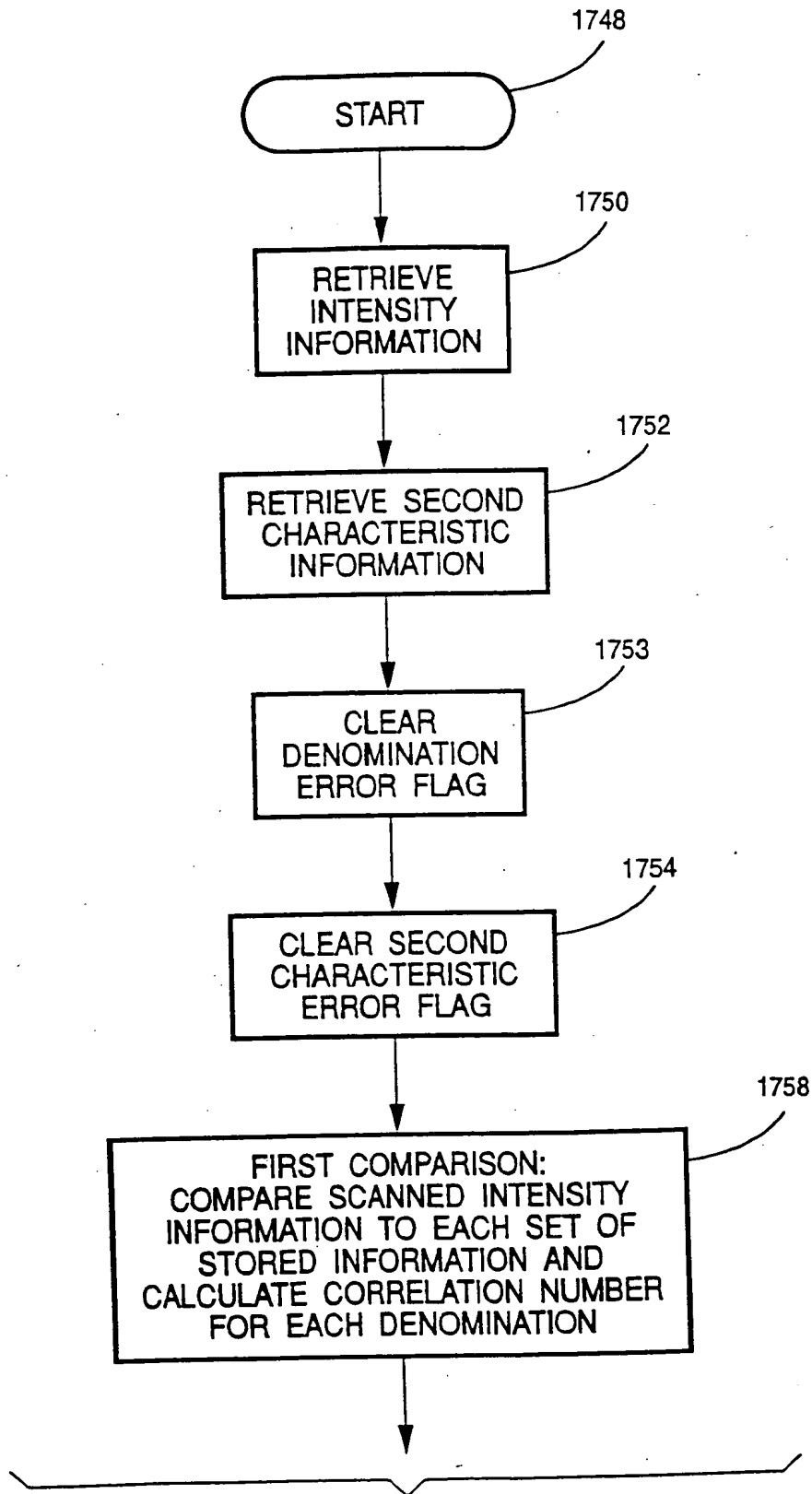


FIG. 7b



*FIG. 8a*

005060" T845196D

FROM FIG. 8a

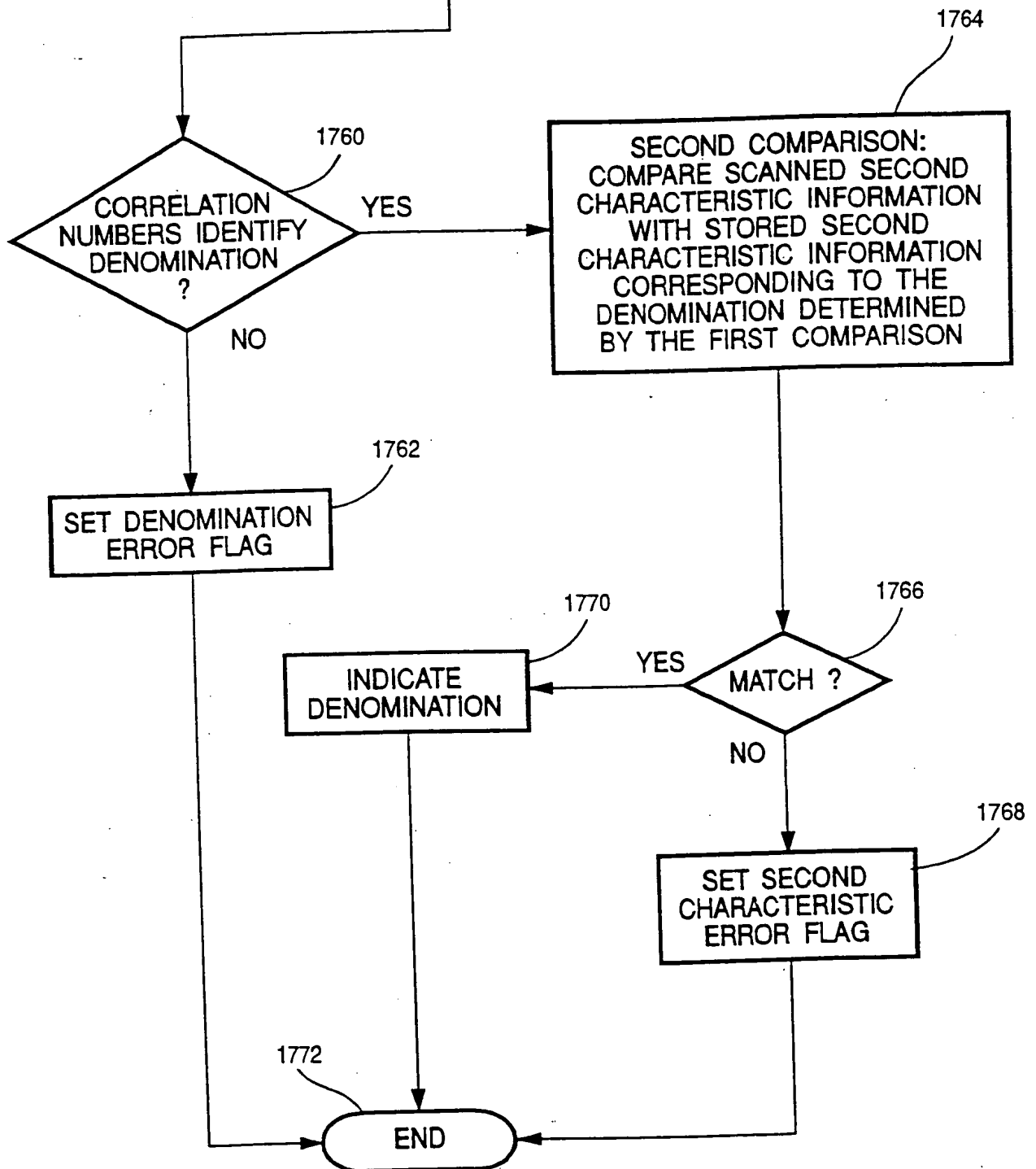


FIG. 8b

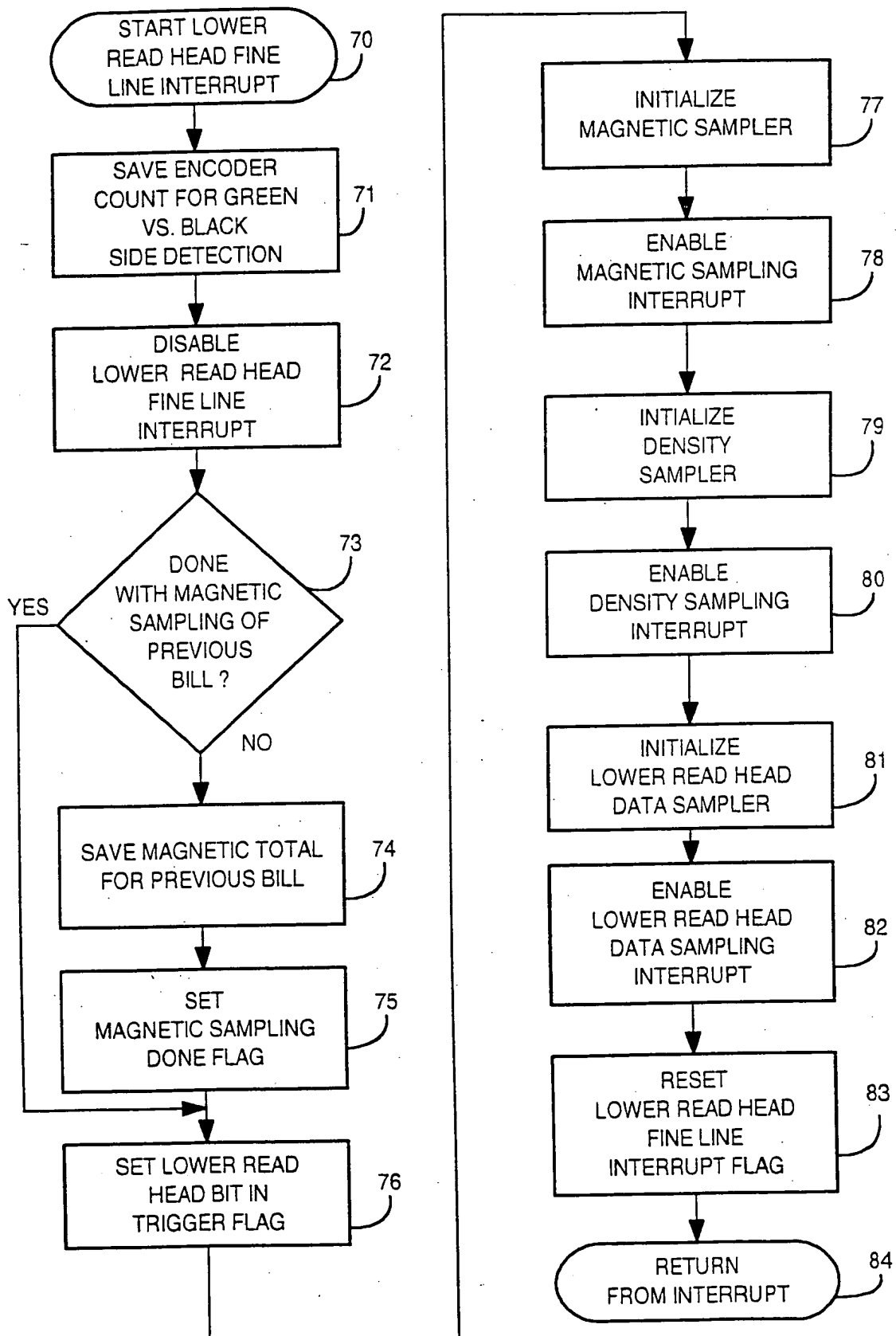
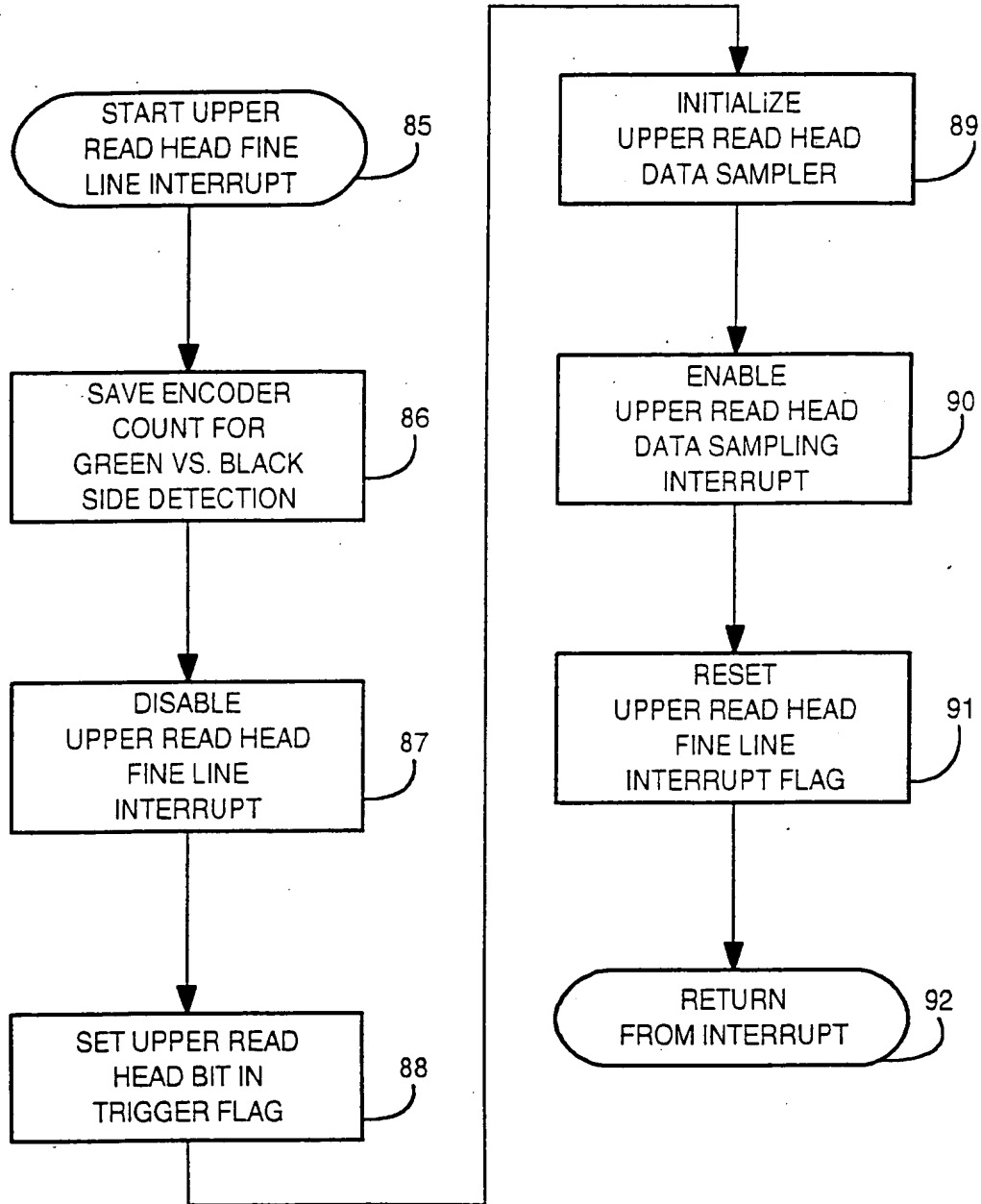
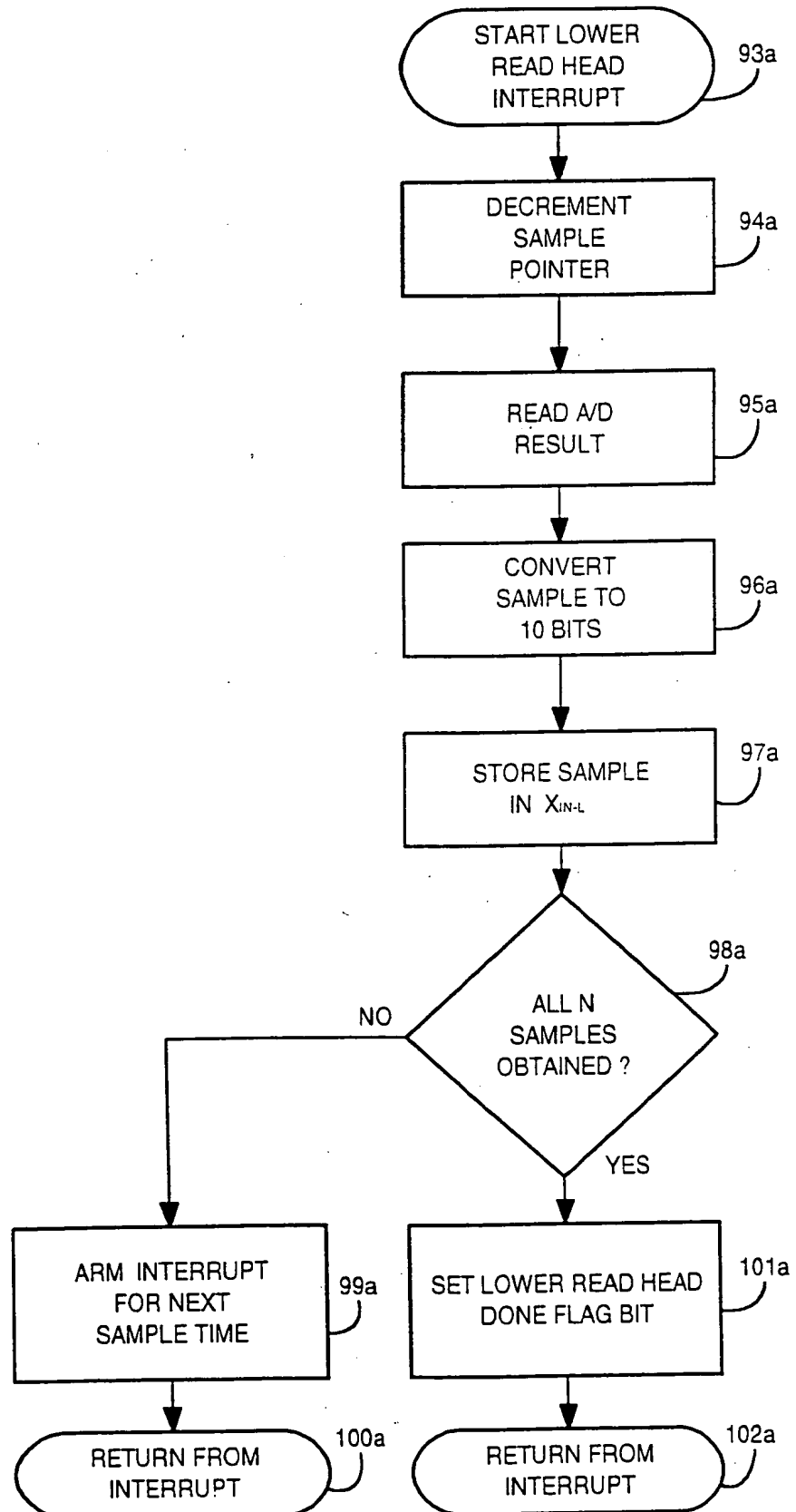
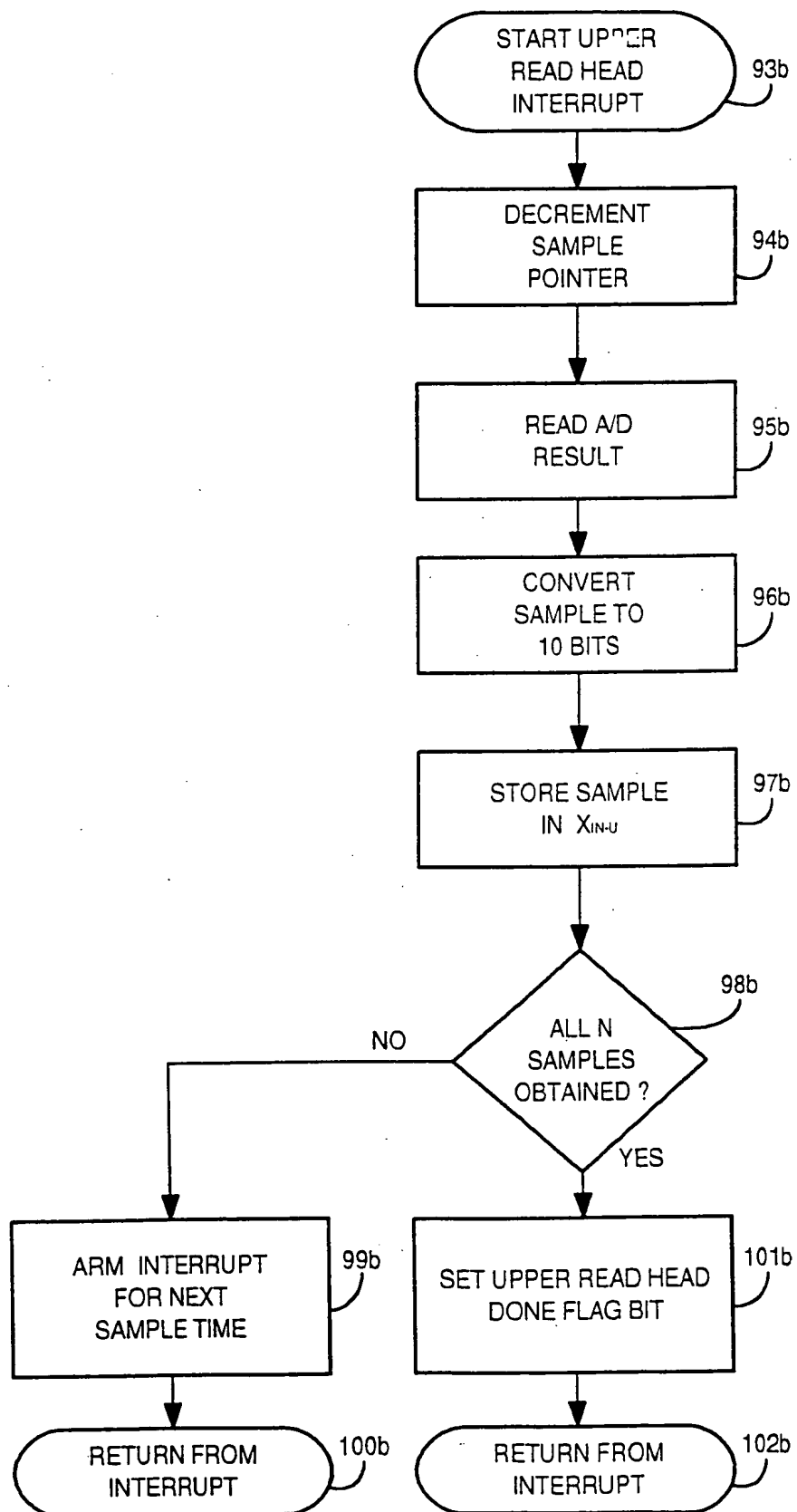


FIG. 9

FIG. 10

*FIG. 11a*

*FIG. 11b*

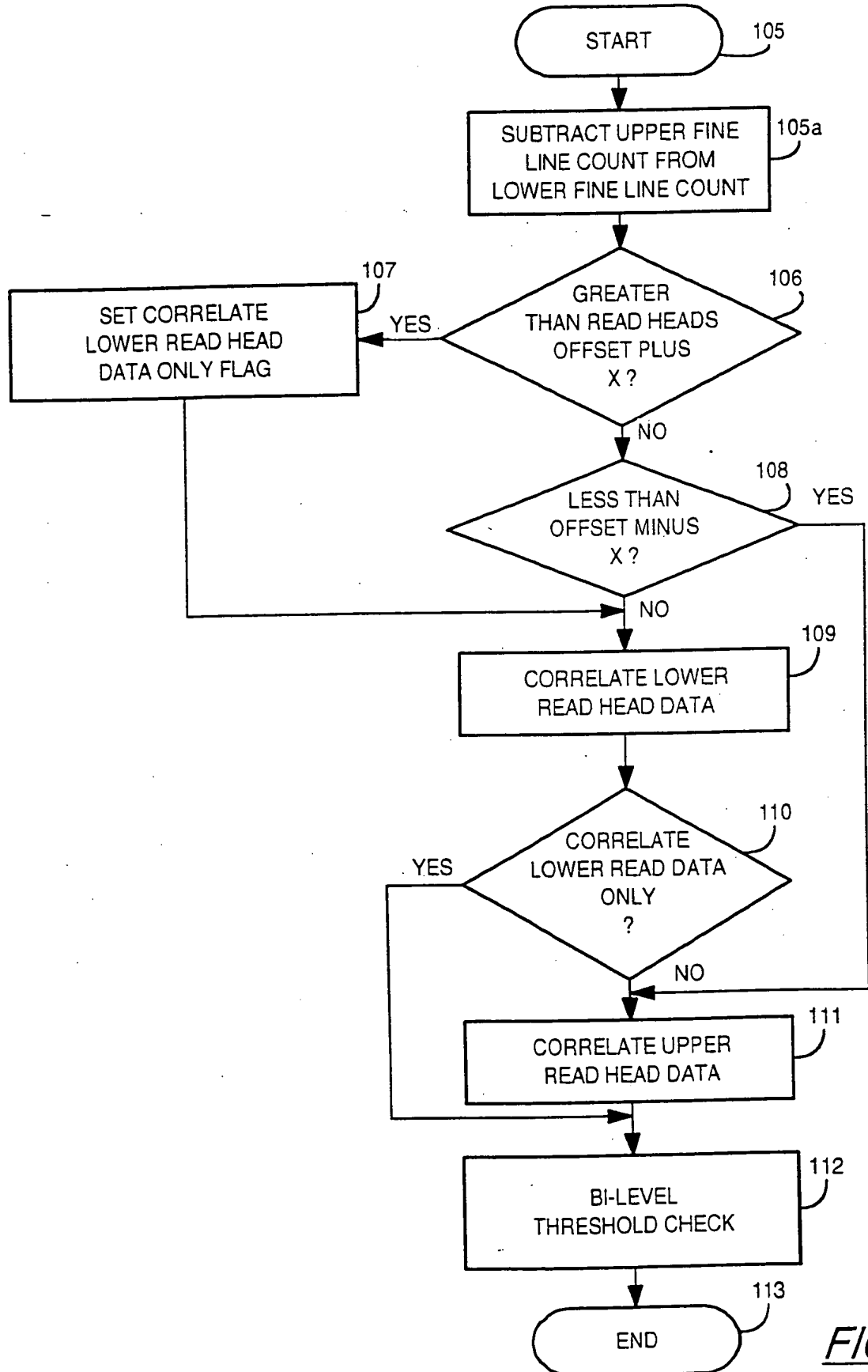
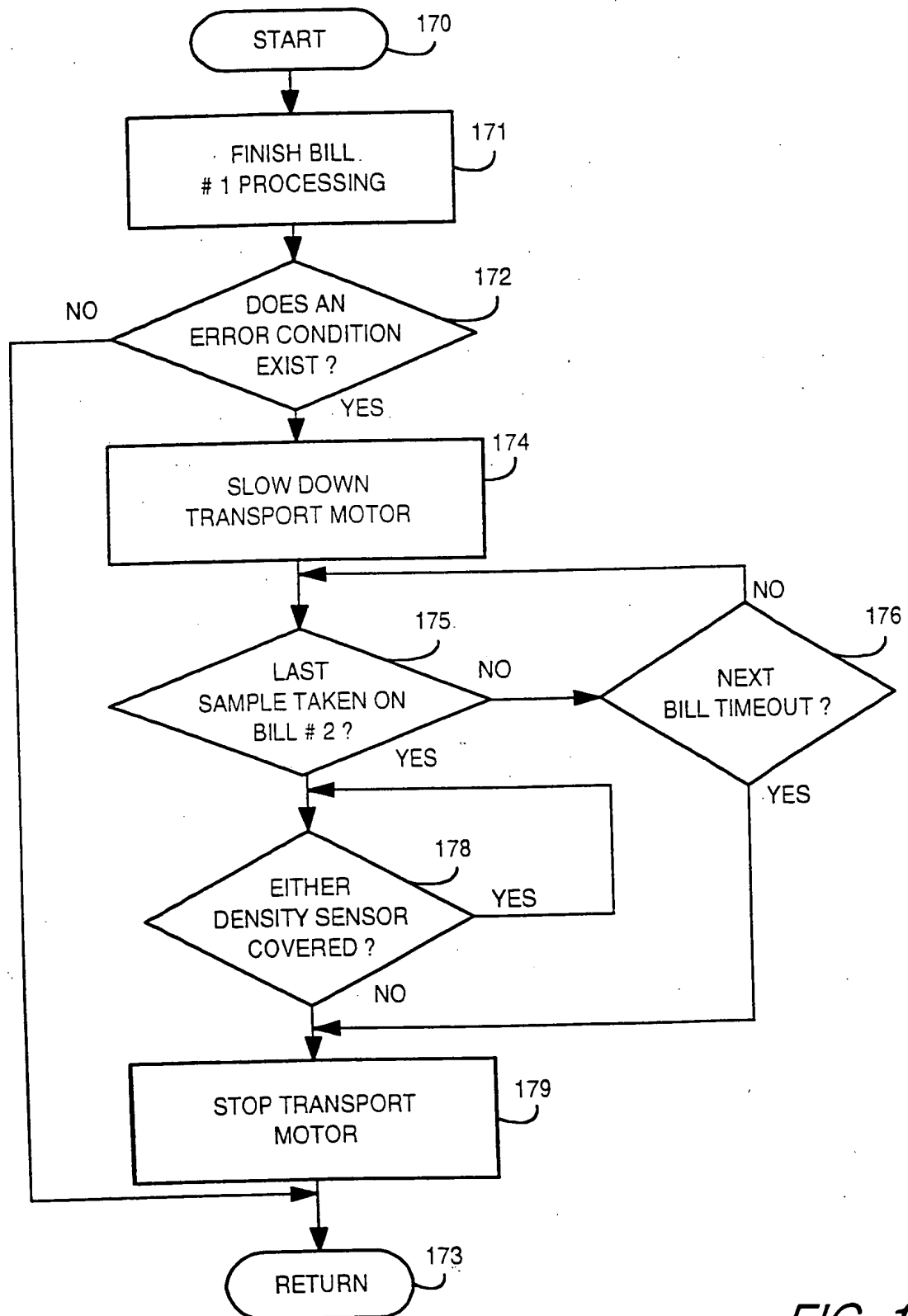


FIG. 12

*FIG. 14*

\$1 : TOP, FORWARD

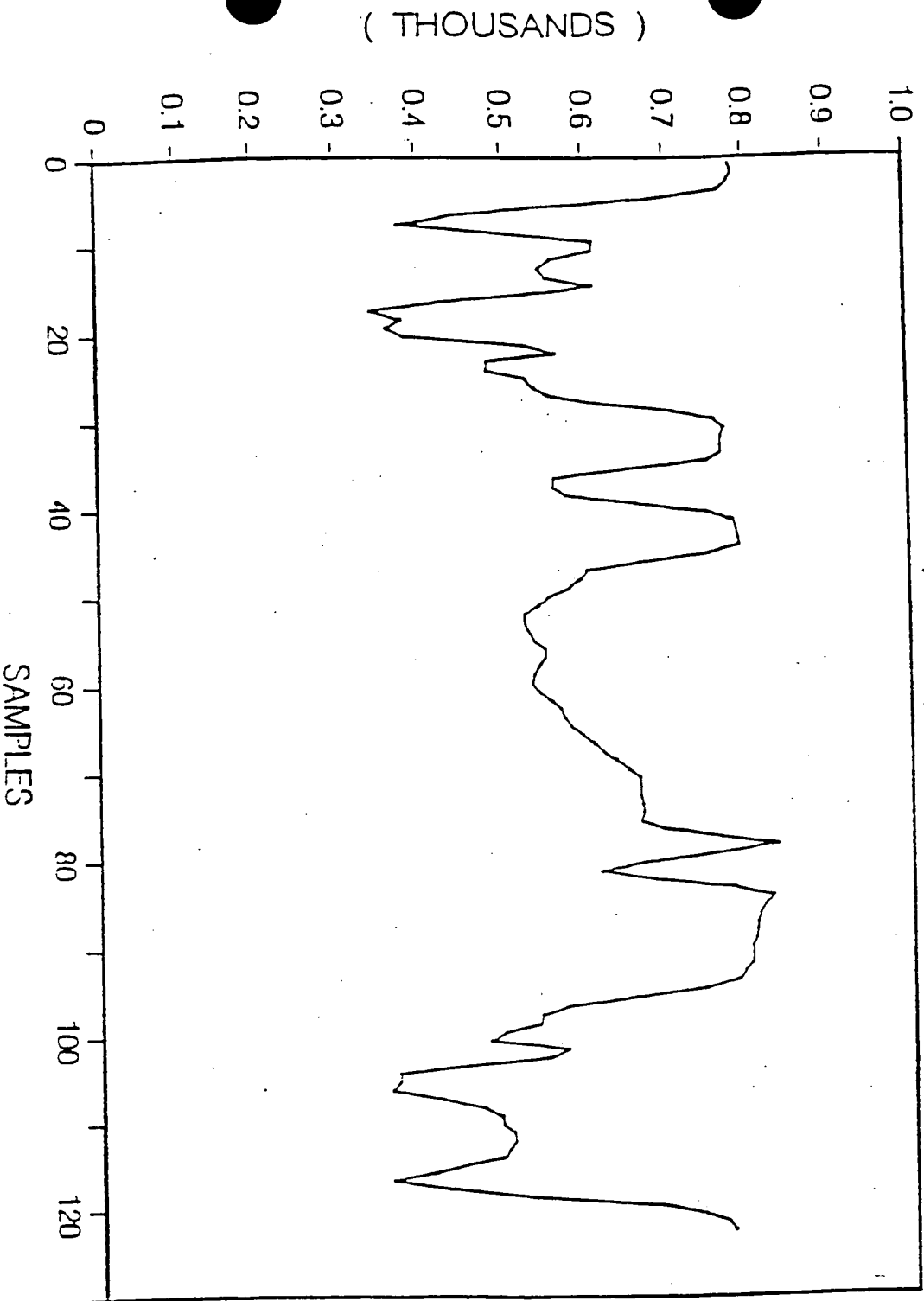


FIG. 15a

8 NV DB

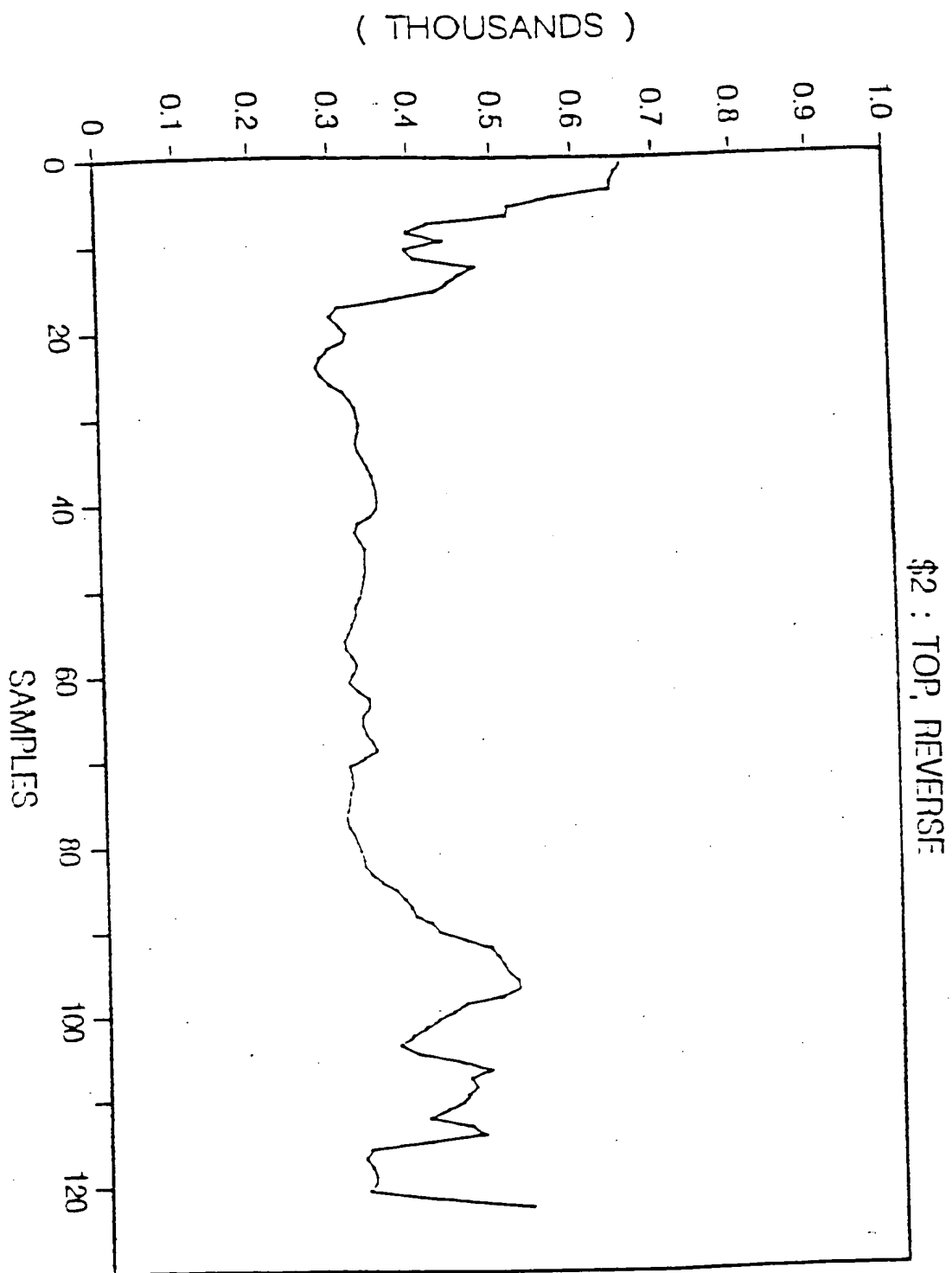


FIG. 15b

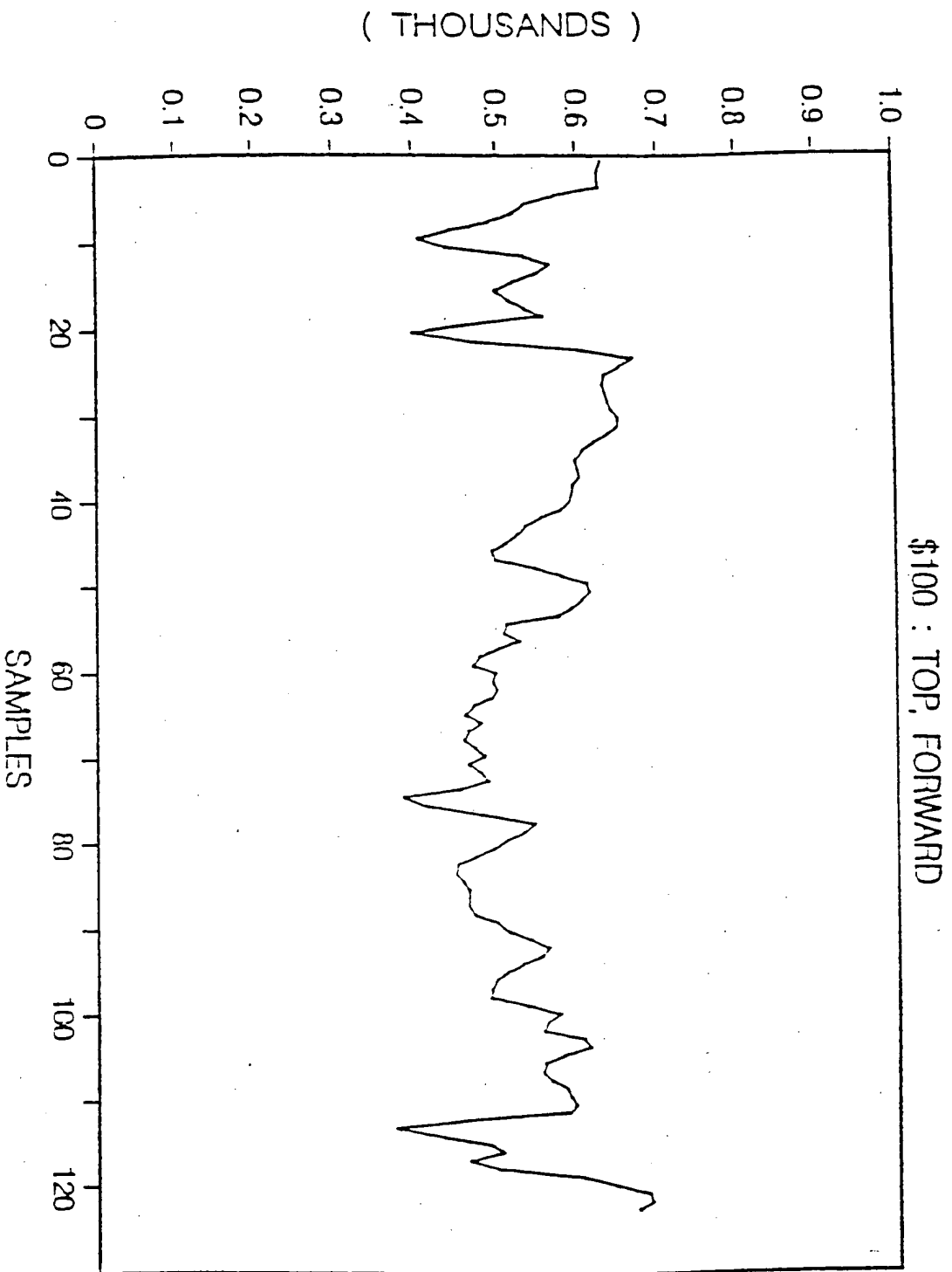


FIG. 15c

8N4/35

20 Dollar Bill

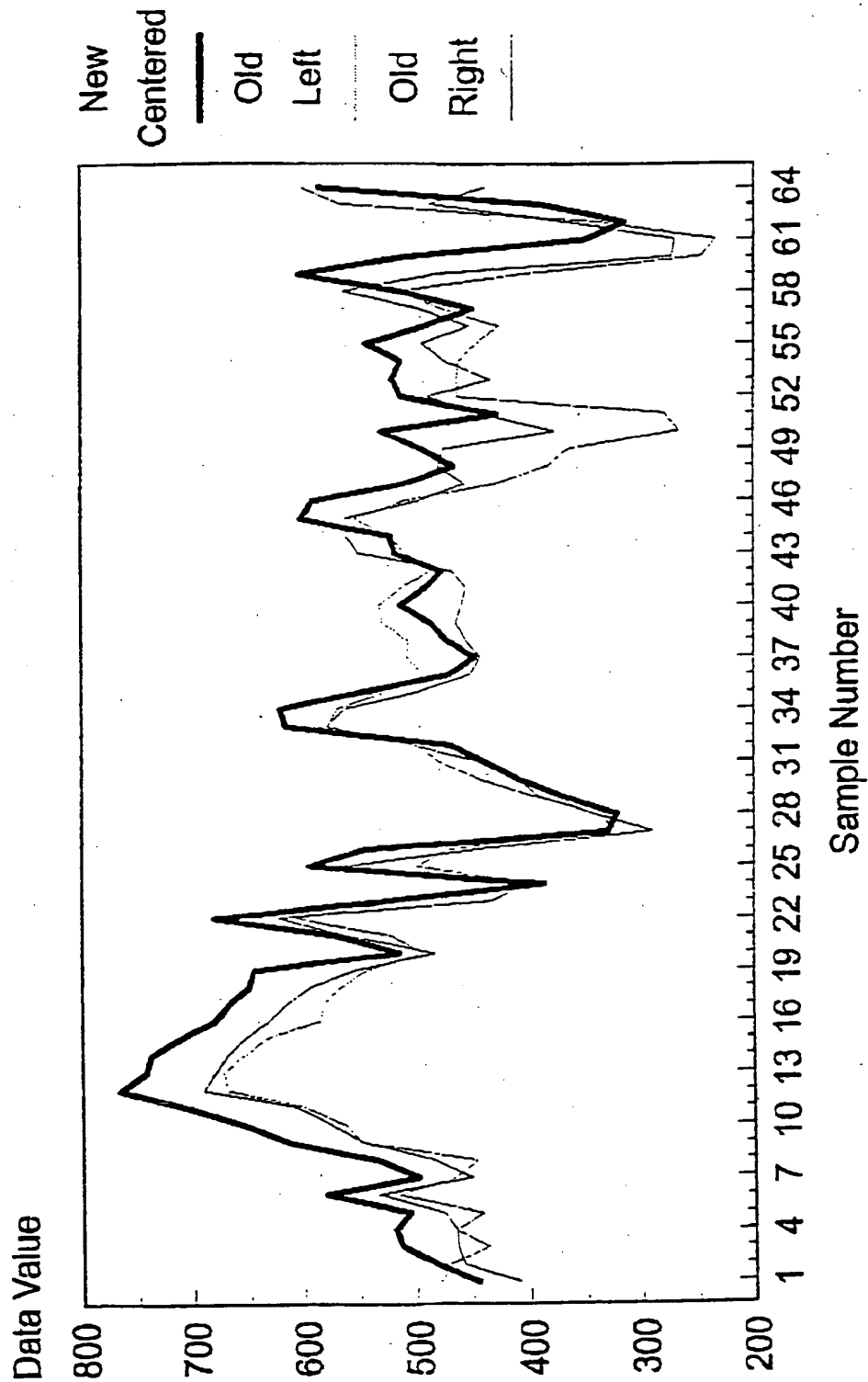


FIG. 15d

\$20 Averaged

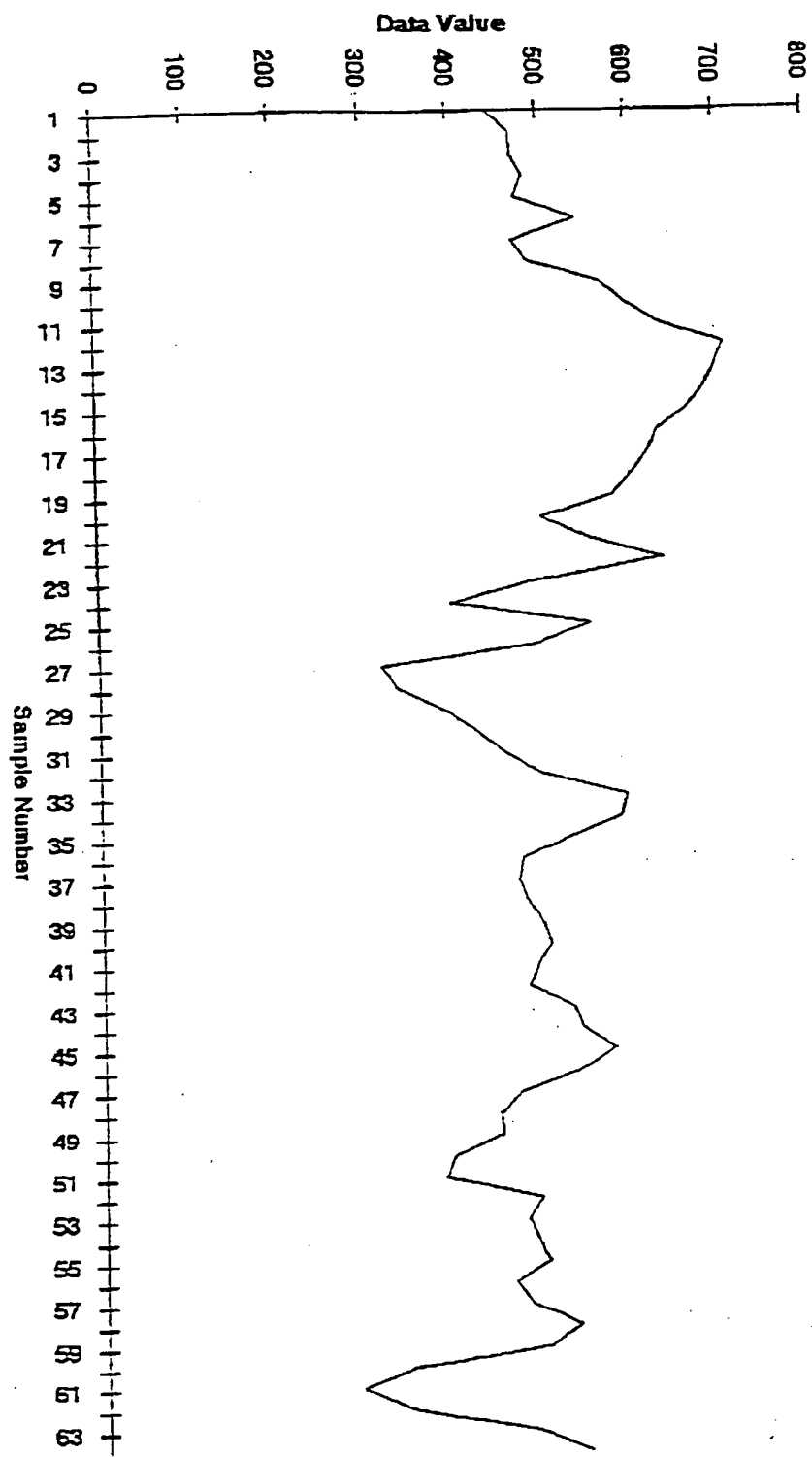


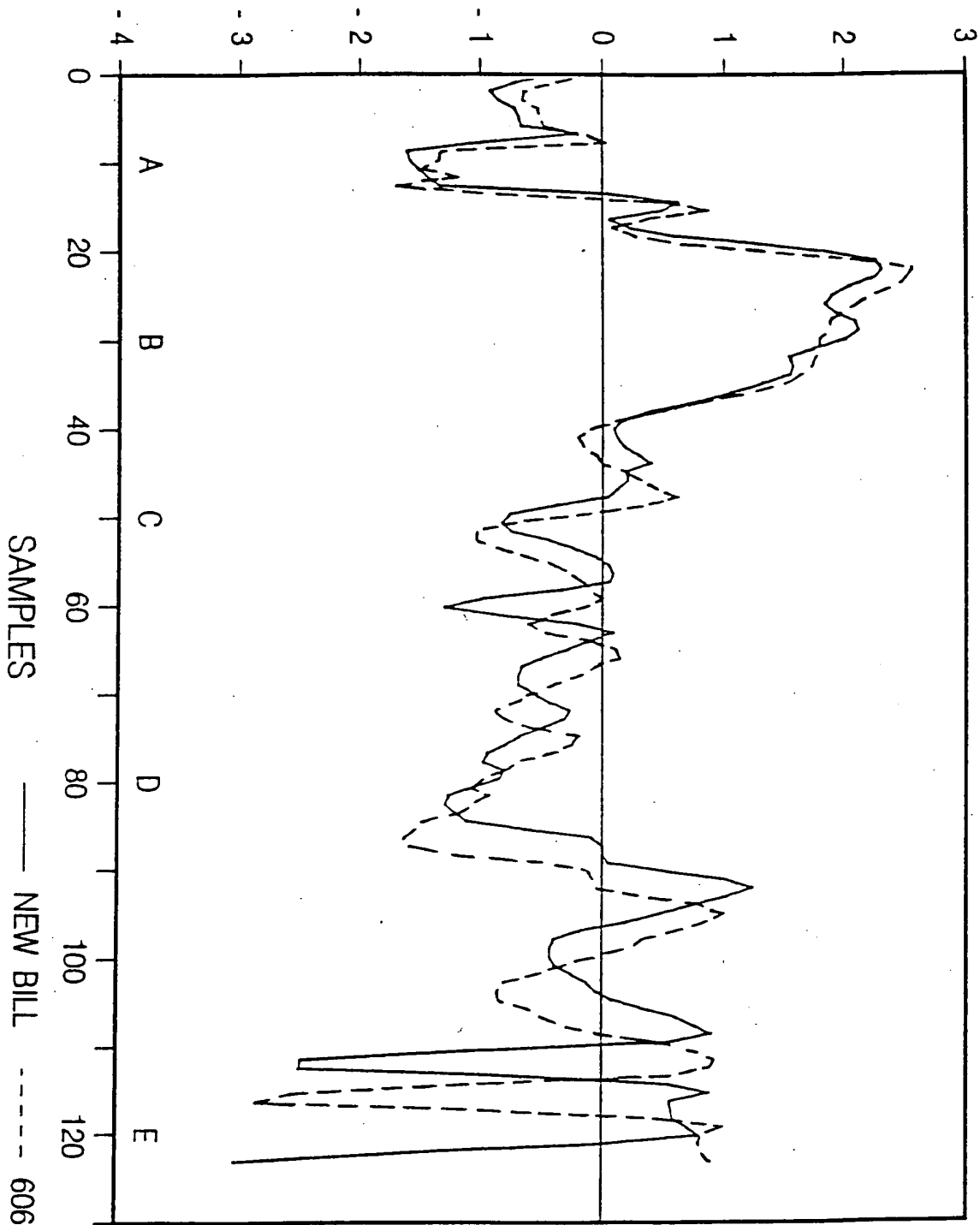
FIG. 15e

8N/CS

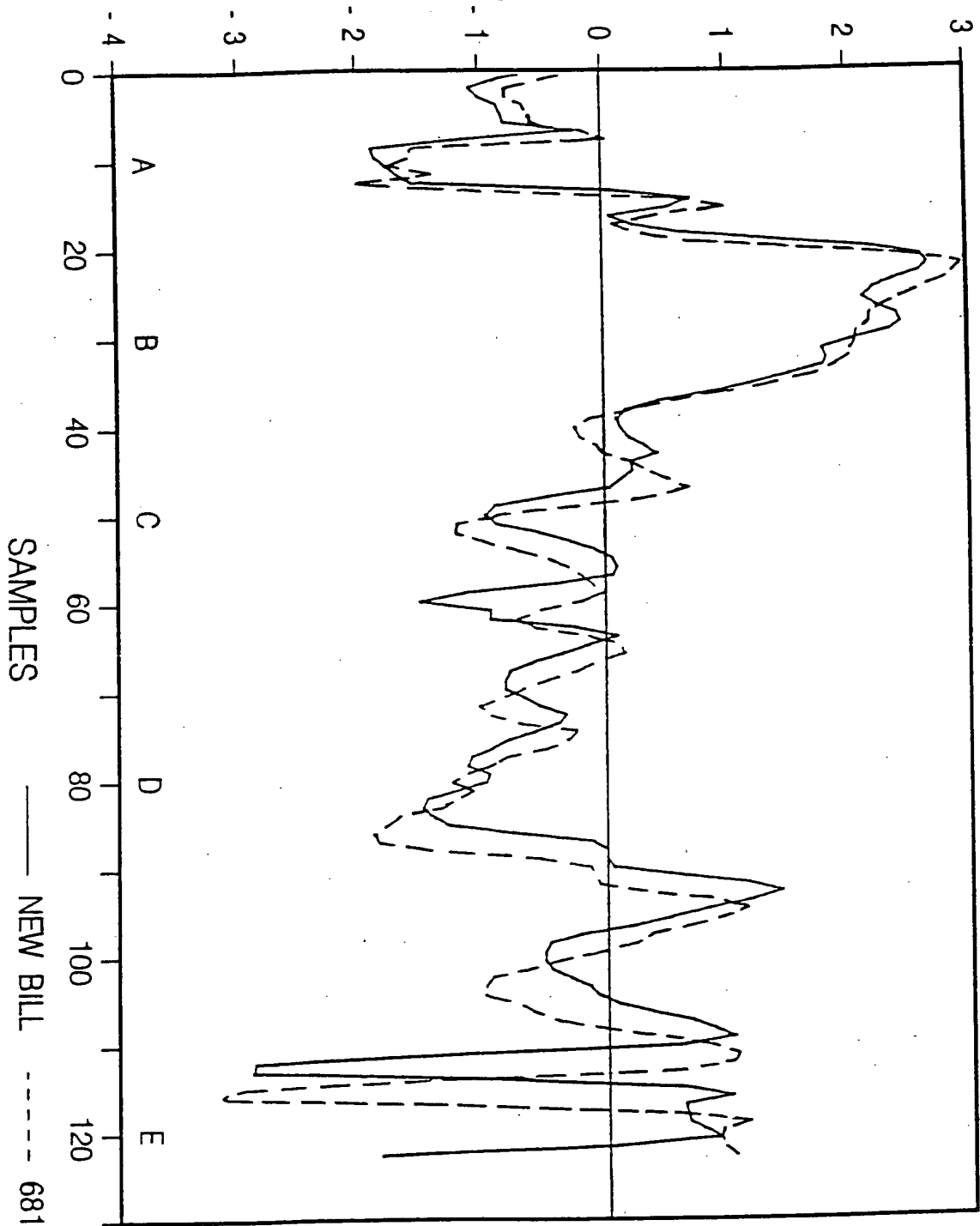
NORMALIZED AND SCALED VALUES (THOUSANDS)

PROGRESSIVE SHIFTING
NO SHIFT

FIG. 16a



NORMALIZED AND SCALED VALUES
(THOUSANDS)

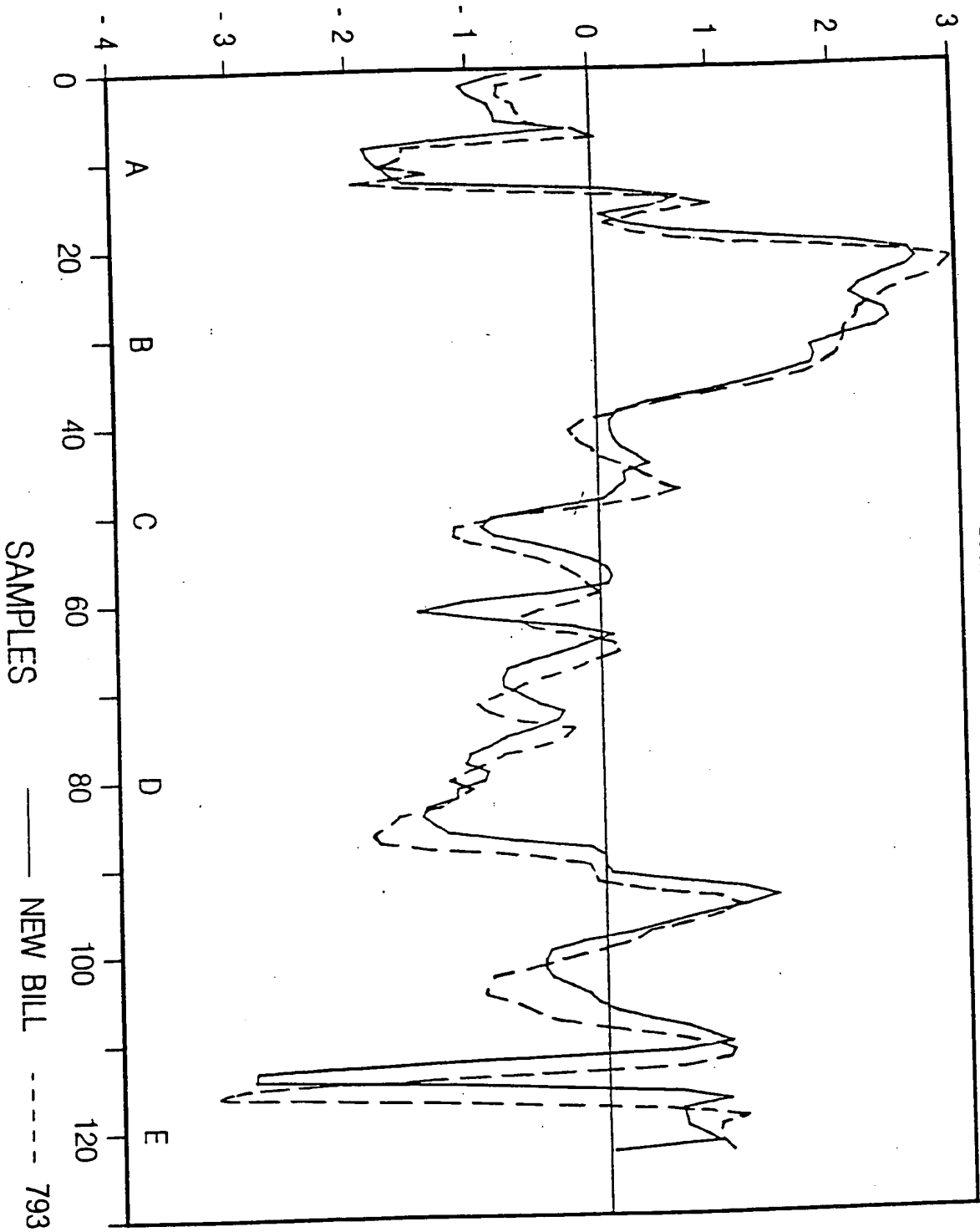


8NYJS

NORMALIZED AND SCALED VALUES (THOUSANDS)

PROGRESSIVE SHIFTING
SHIFTED TWICE

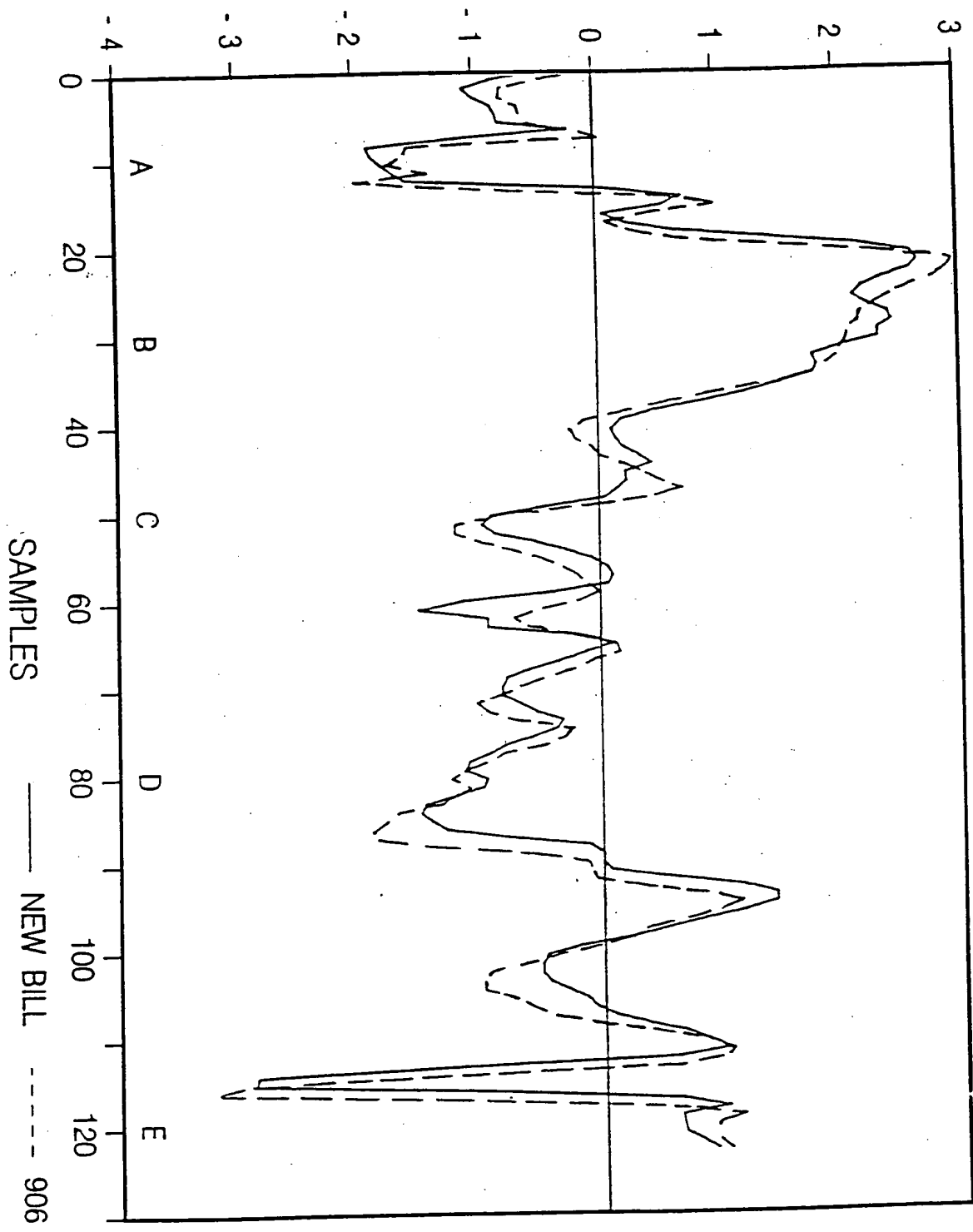
FIG. 16c



PROGRESSIVE SHIFTING
SHIFTED THRICE

FIG. 16d

NORMALIZED AND SCALED VALUES
(THOUSANDS)

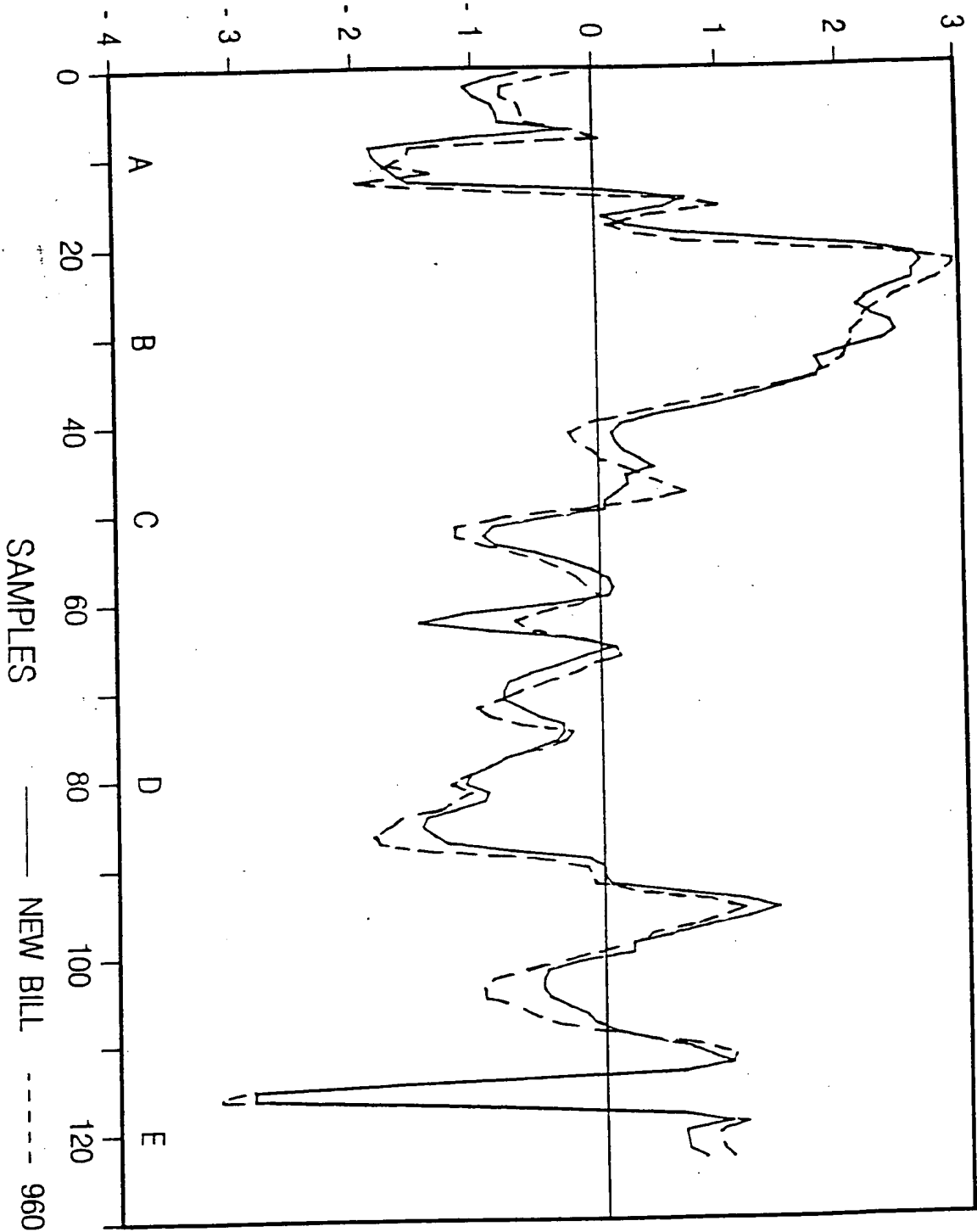


ENCLOSURE

NORMALIZED AND SCALED VALUES
(THOUSANDS)

PROGRESSIVE SHIFTING
SHIFTED FOUR TIMES

FIG. 16e



8NVD5

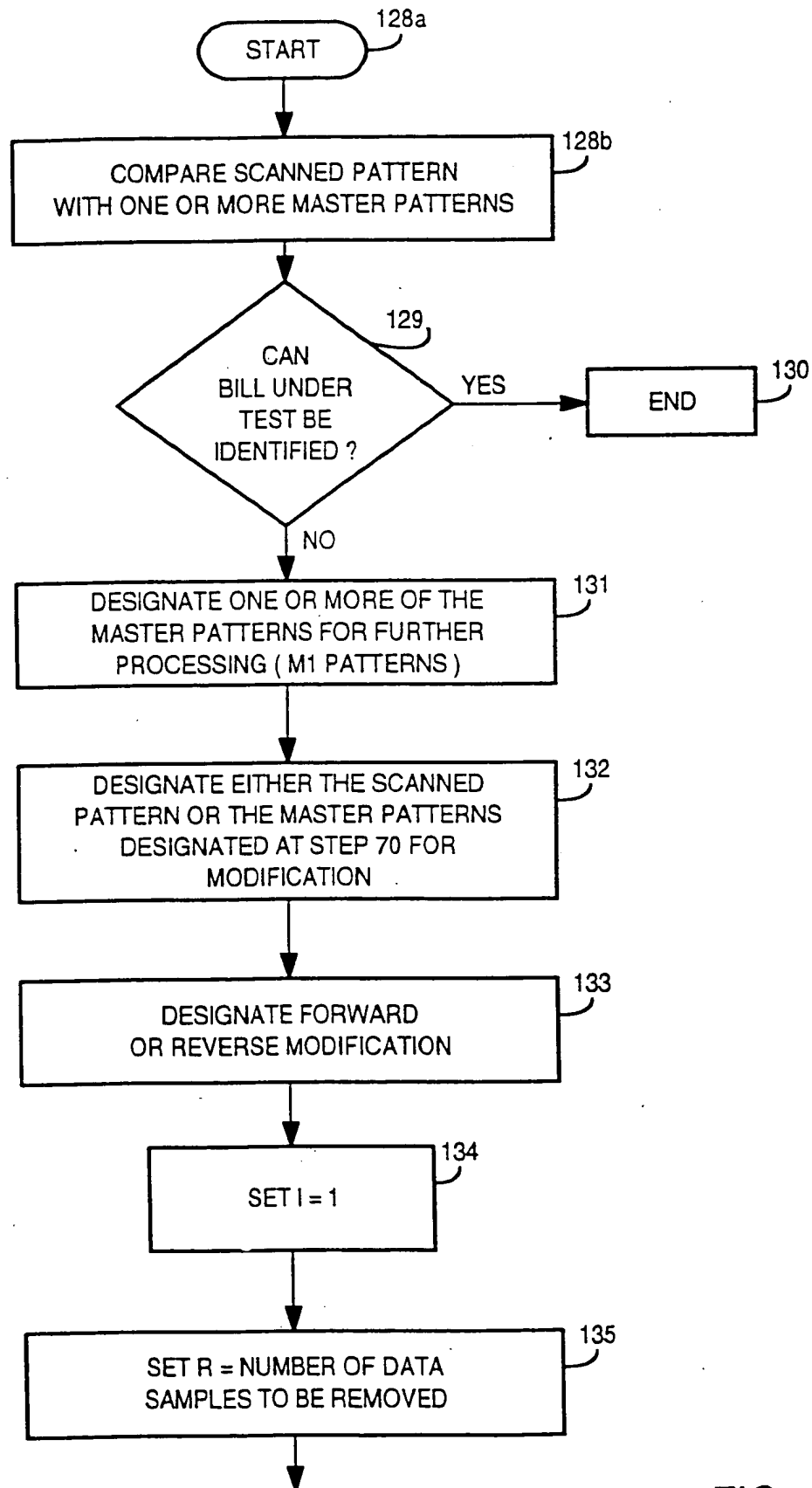


FIG. 17a

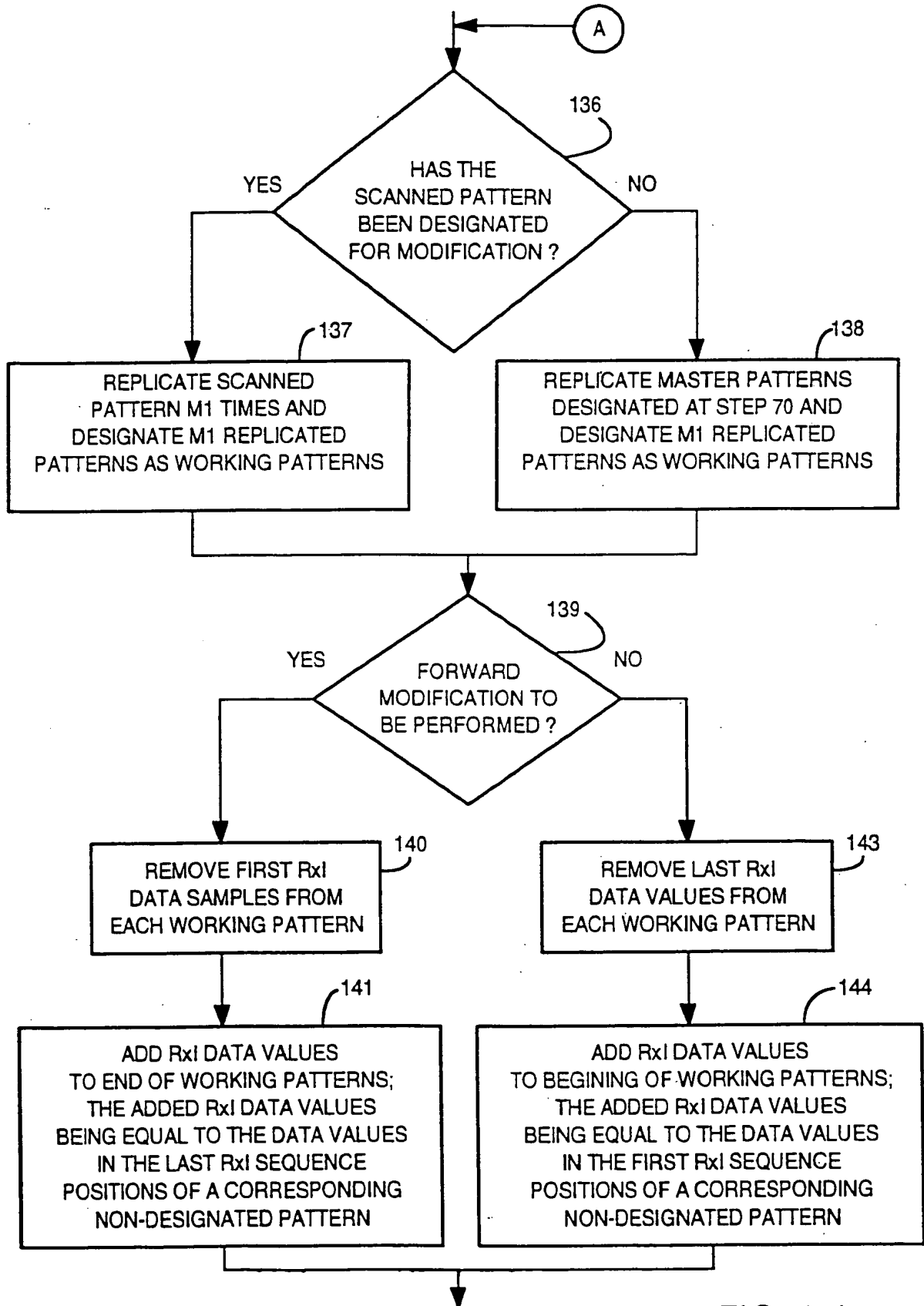
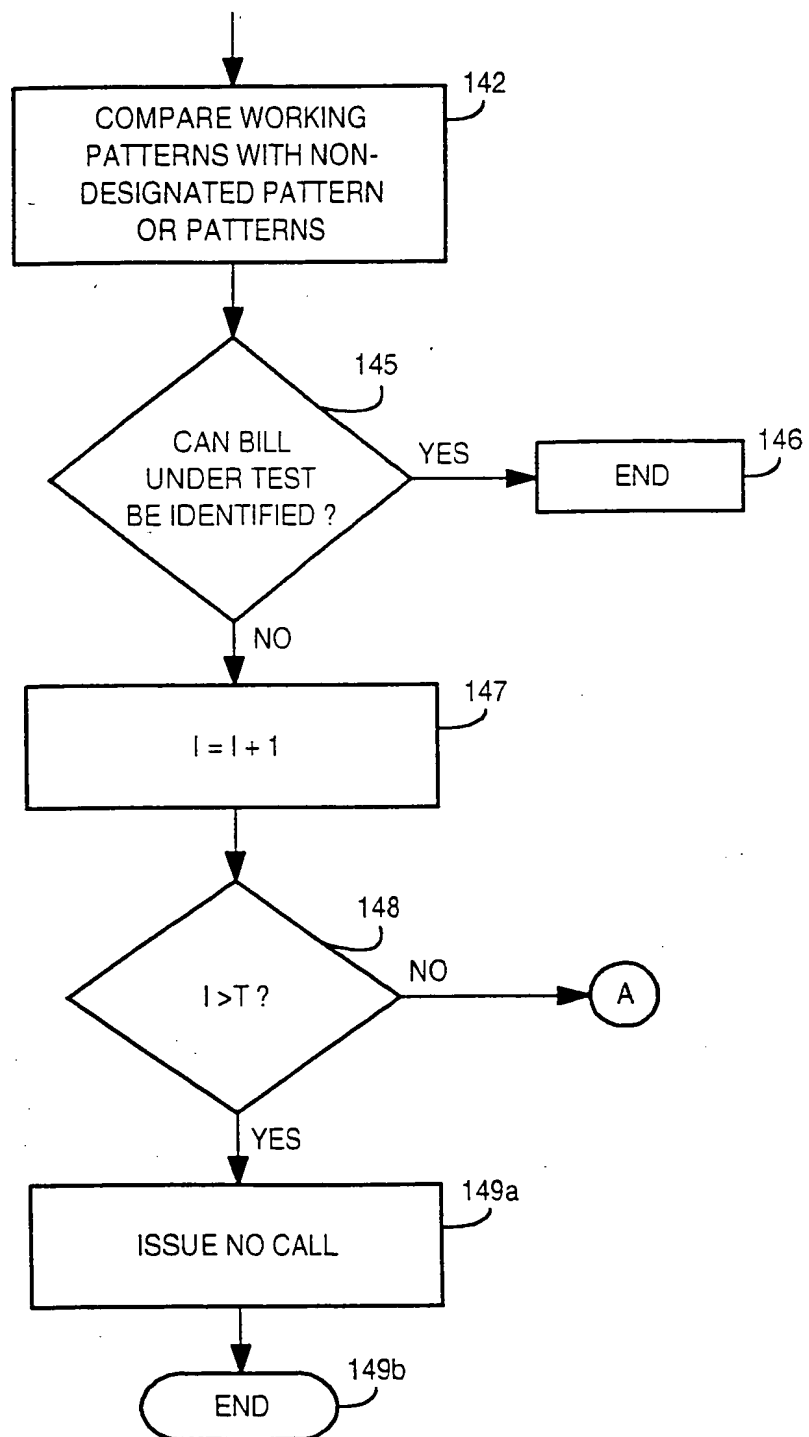


FIG. 17b

*FIG. 17c*

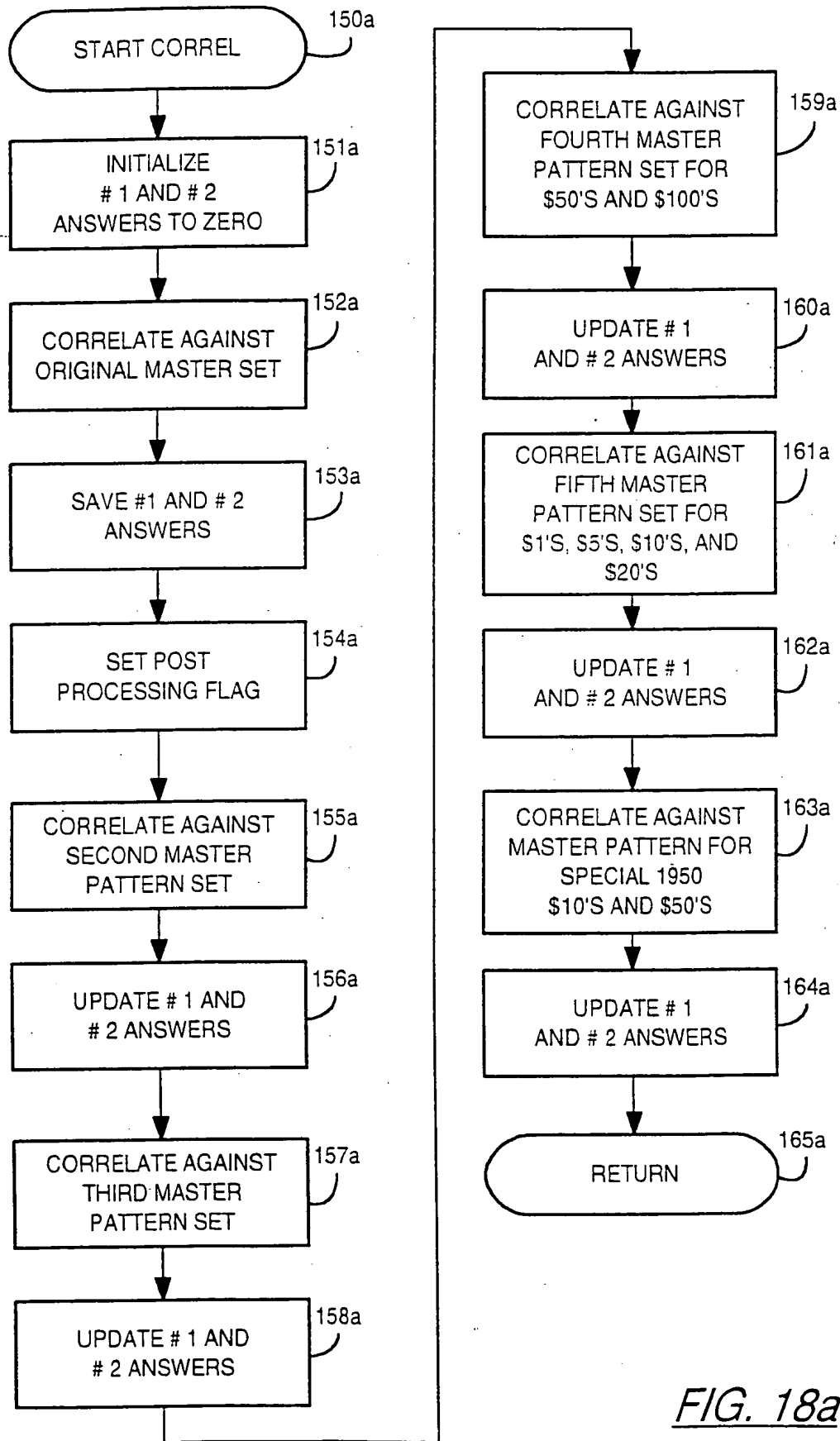


FIG. 18a

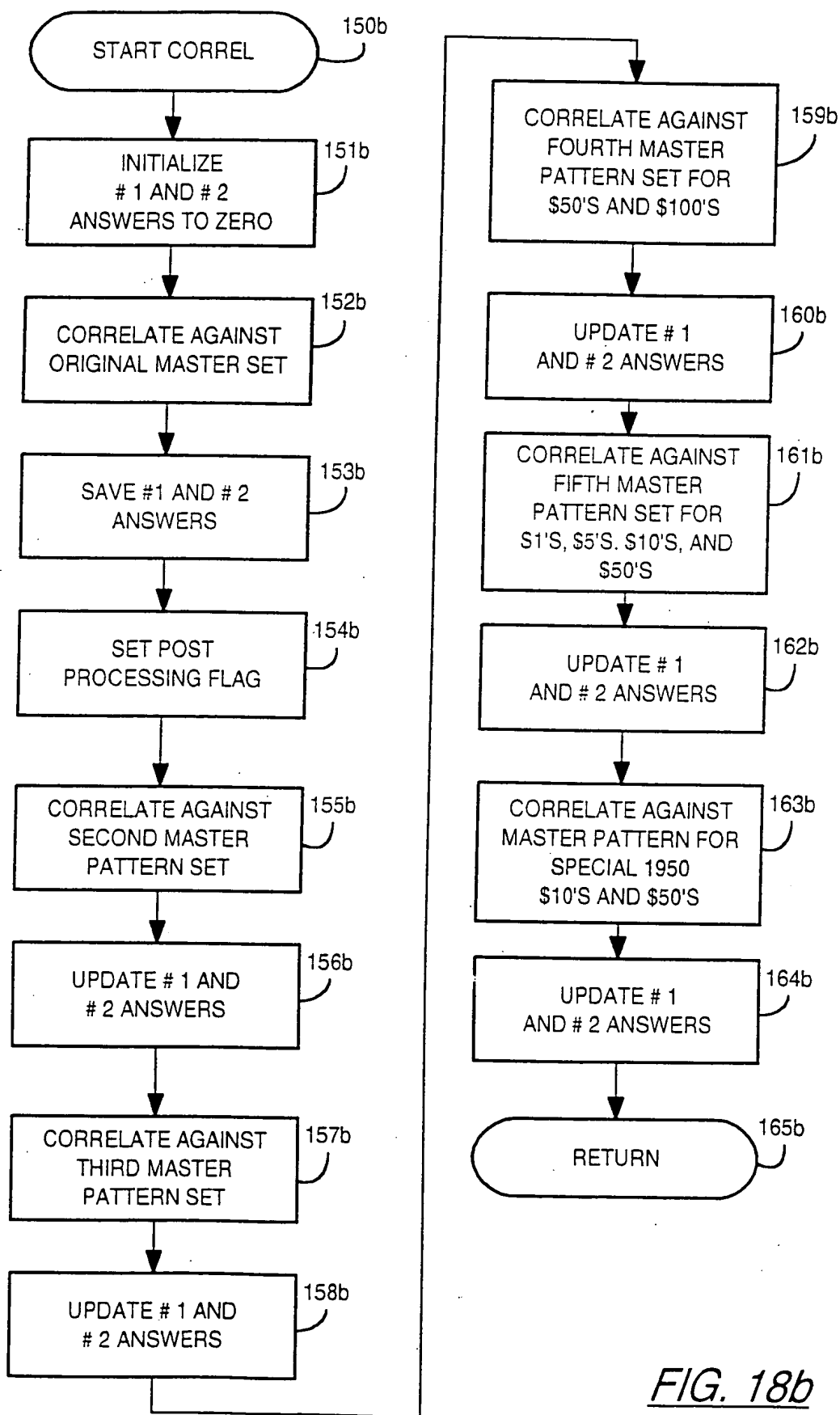


FIG. 18b

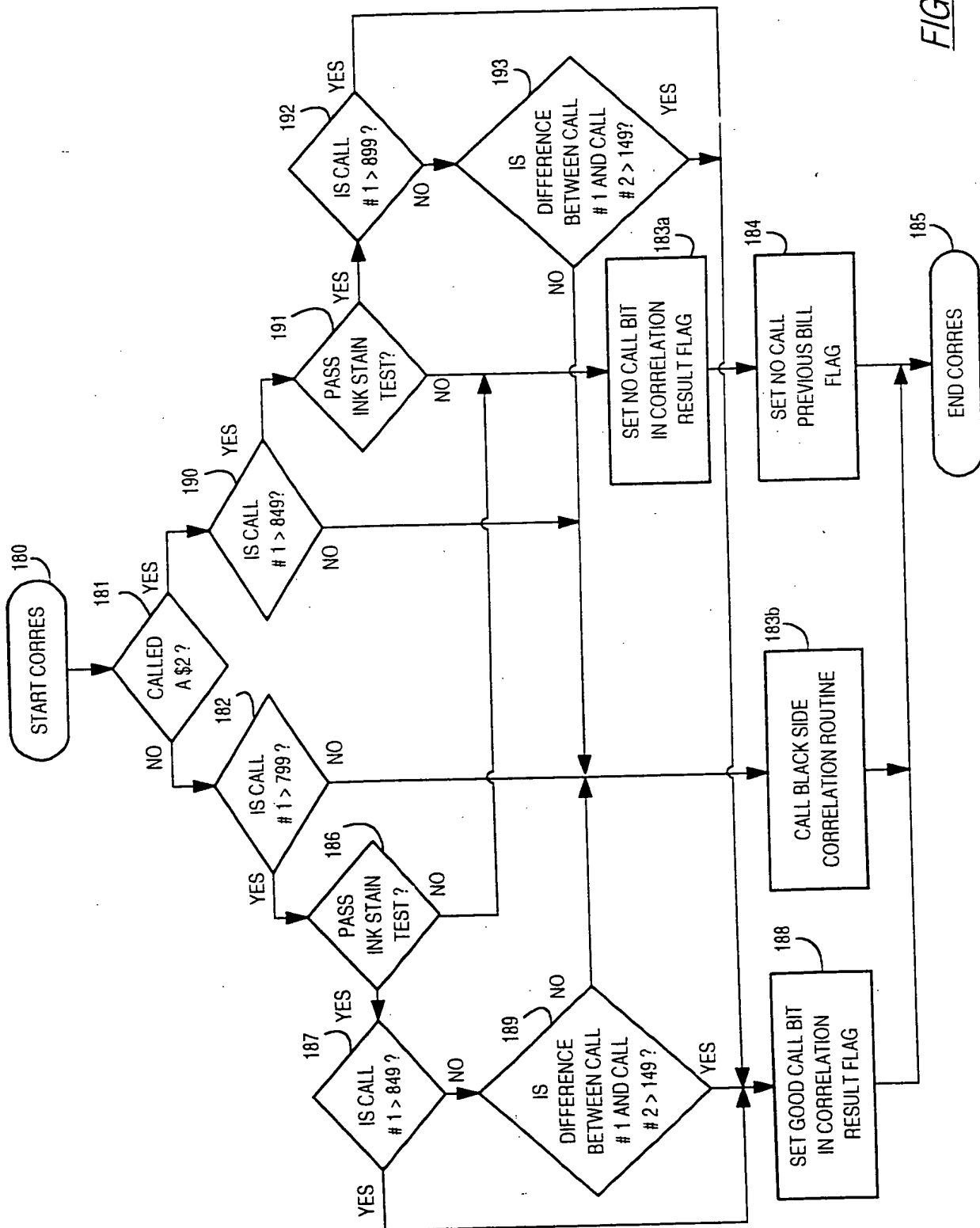


FIG. 19a

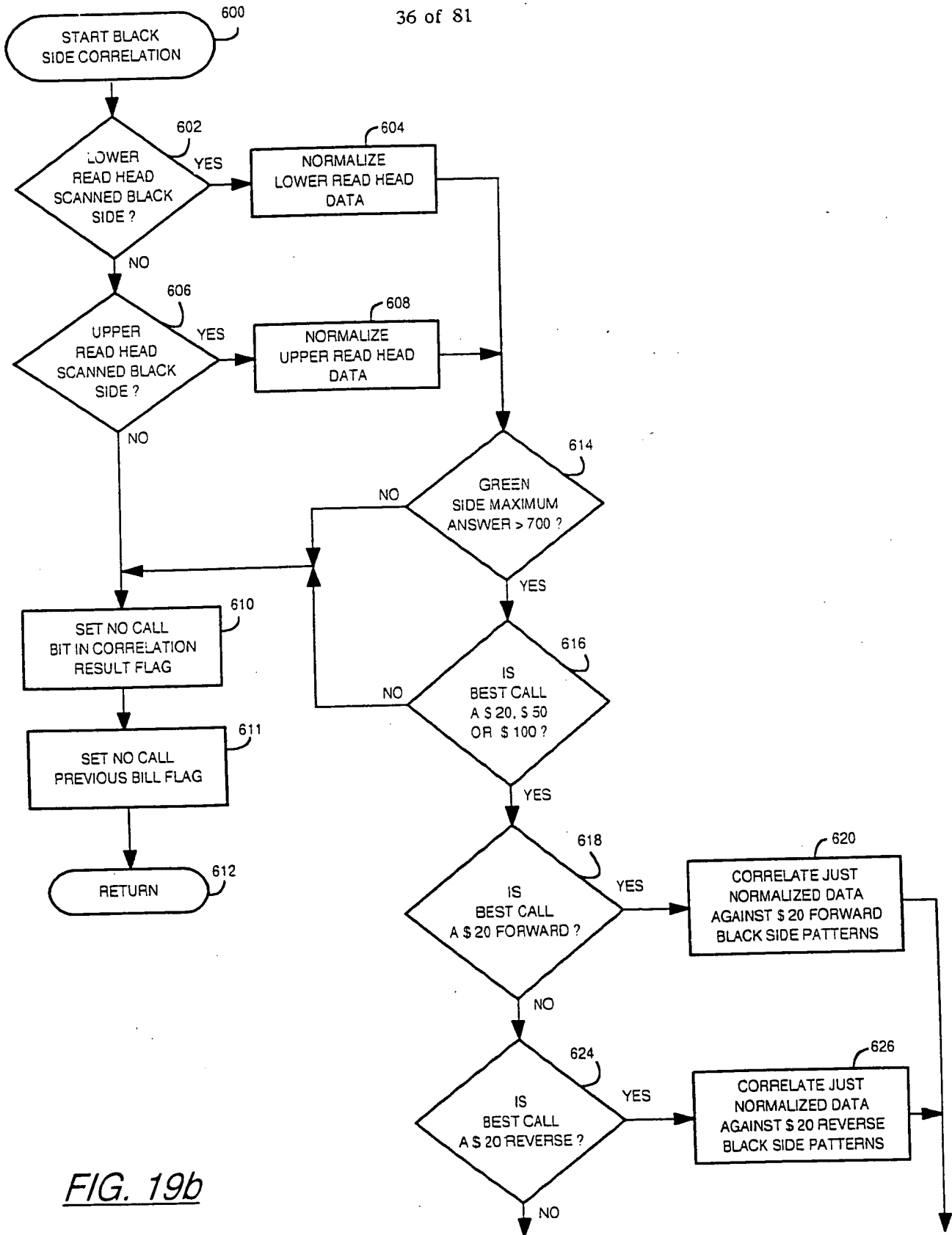


FIG. 19b

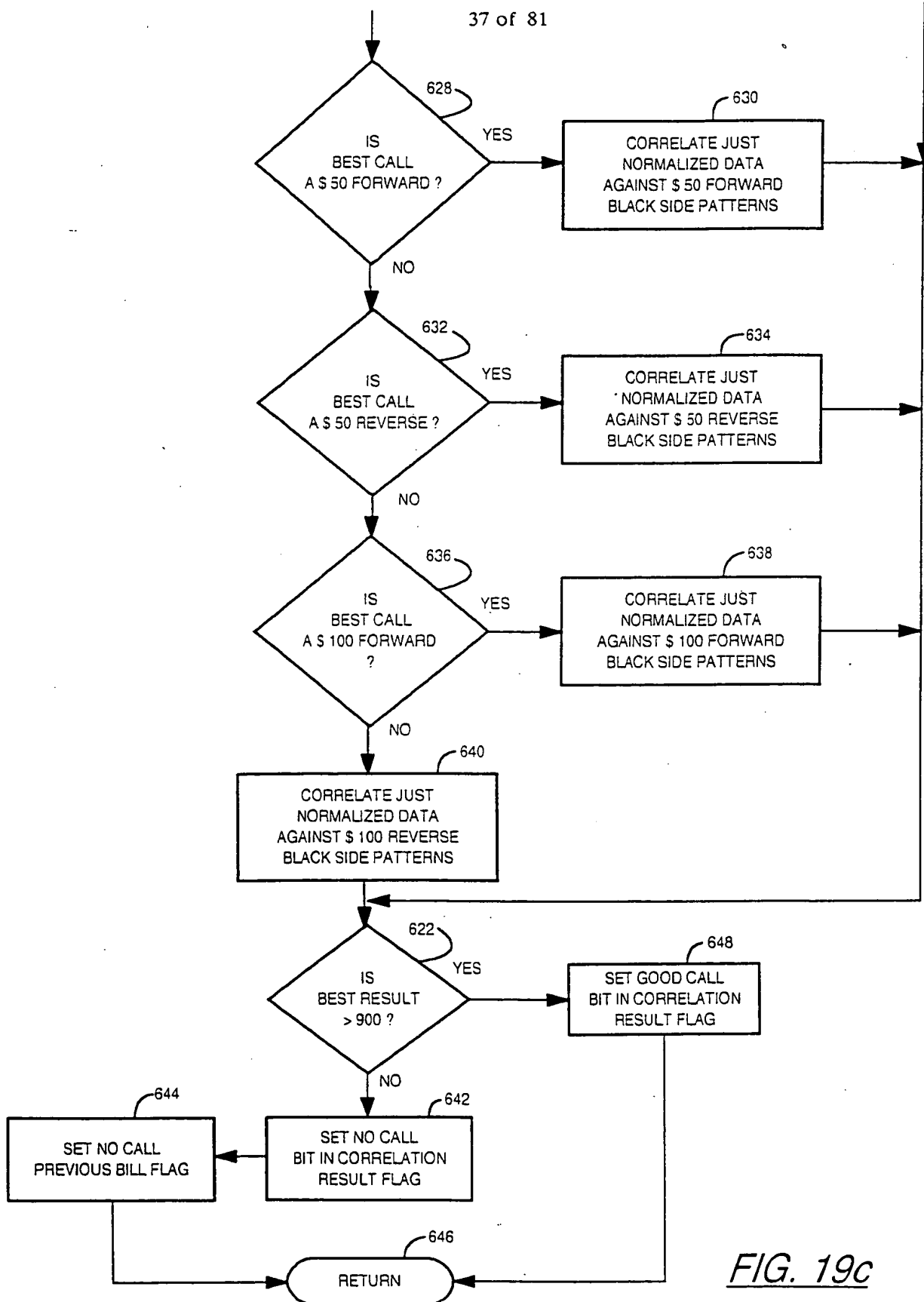


FIG. 19c

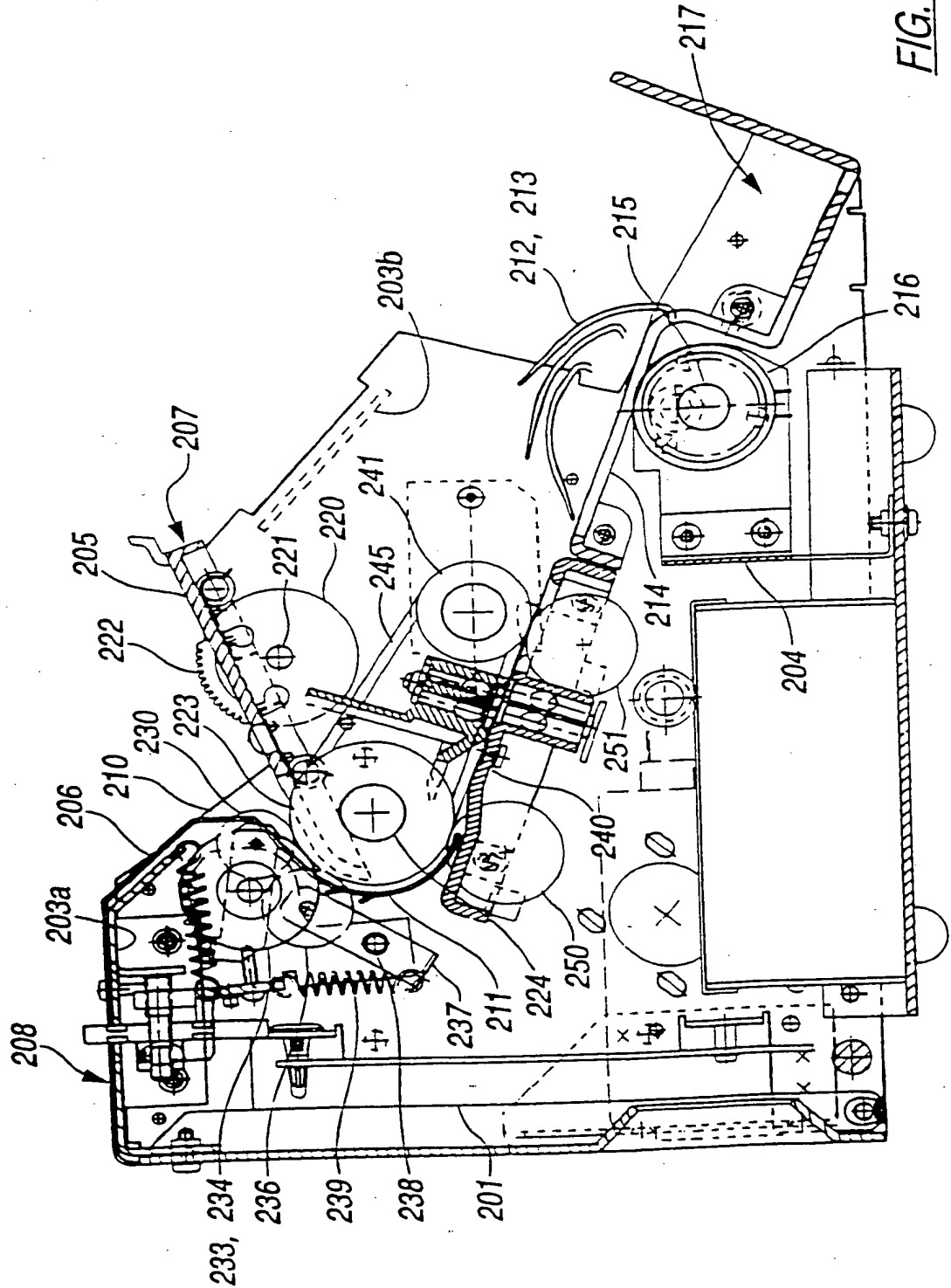


FIG. 20a

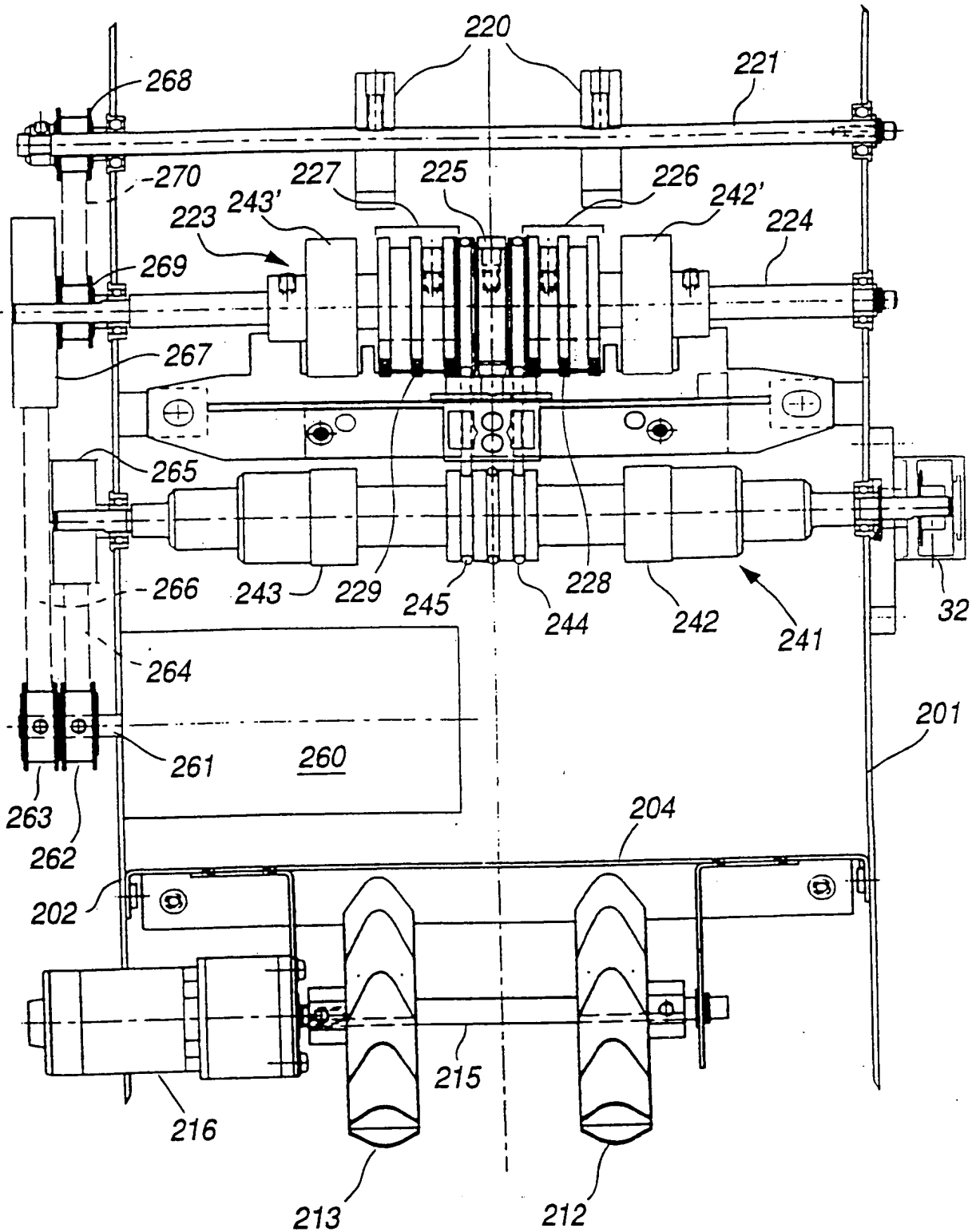


FIG. 20b

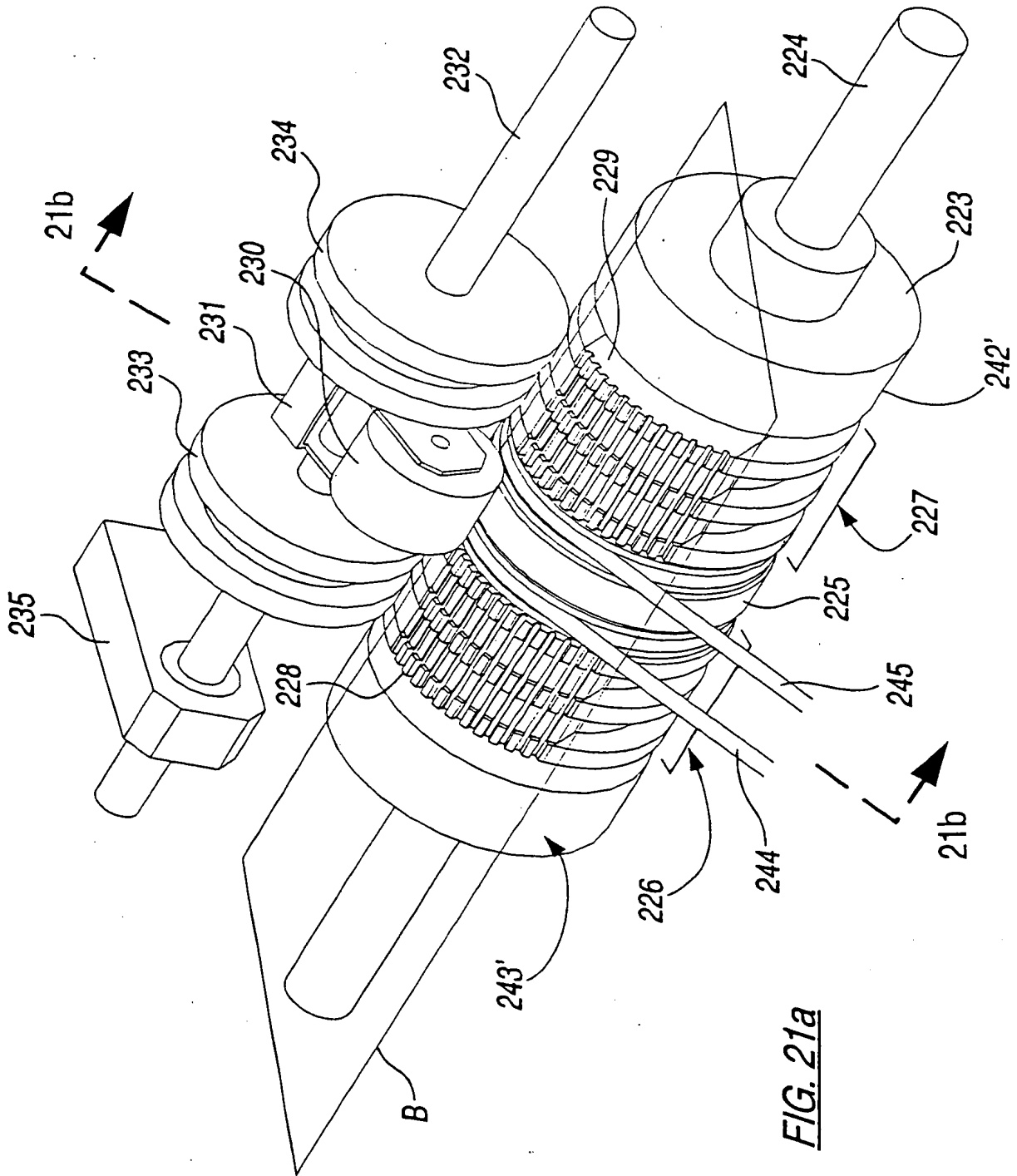


FIG. 21a

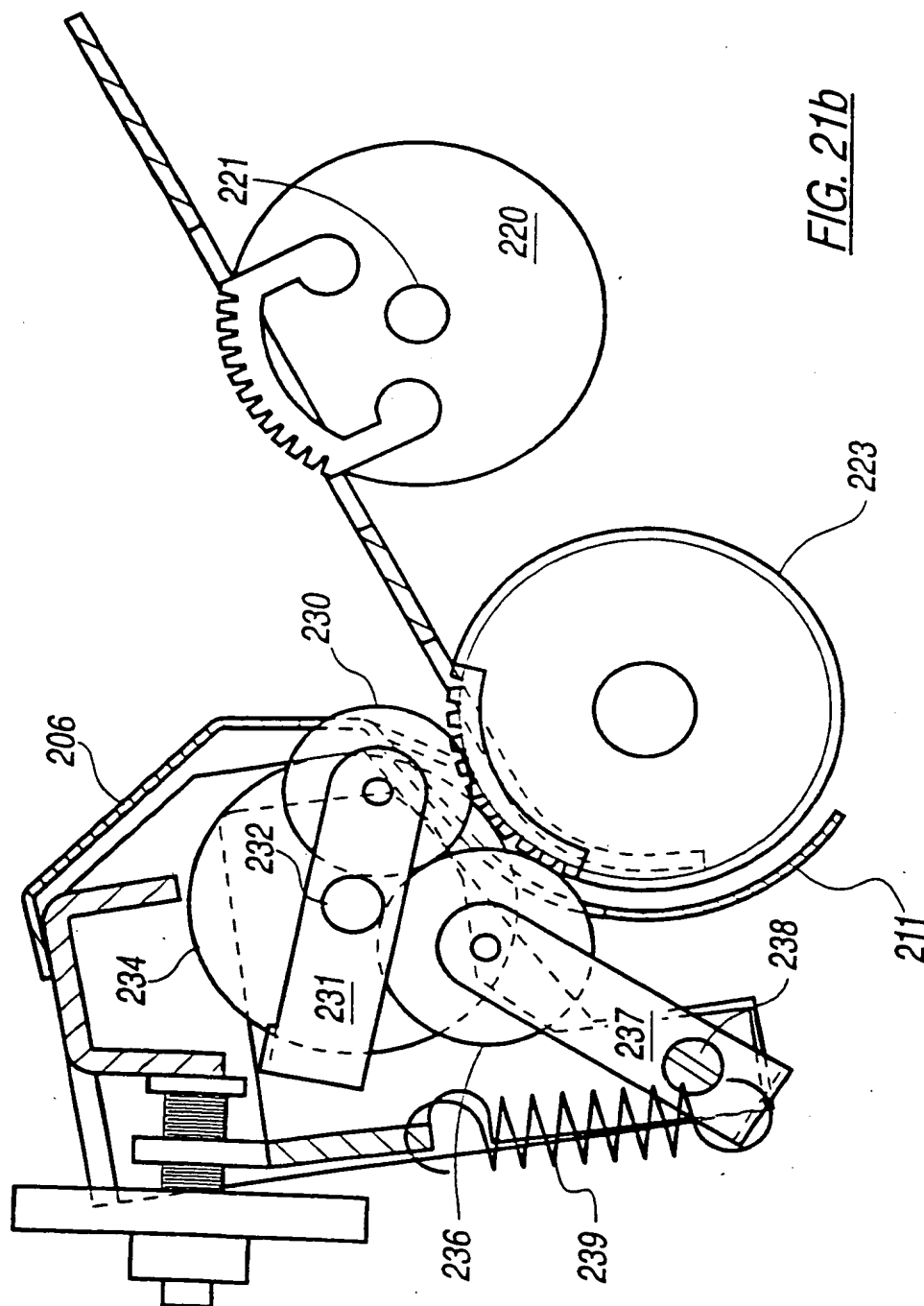


FIG. 21b

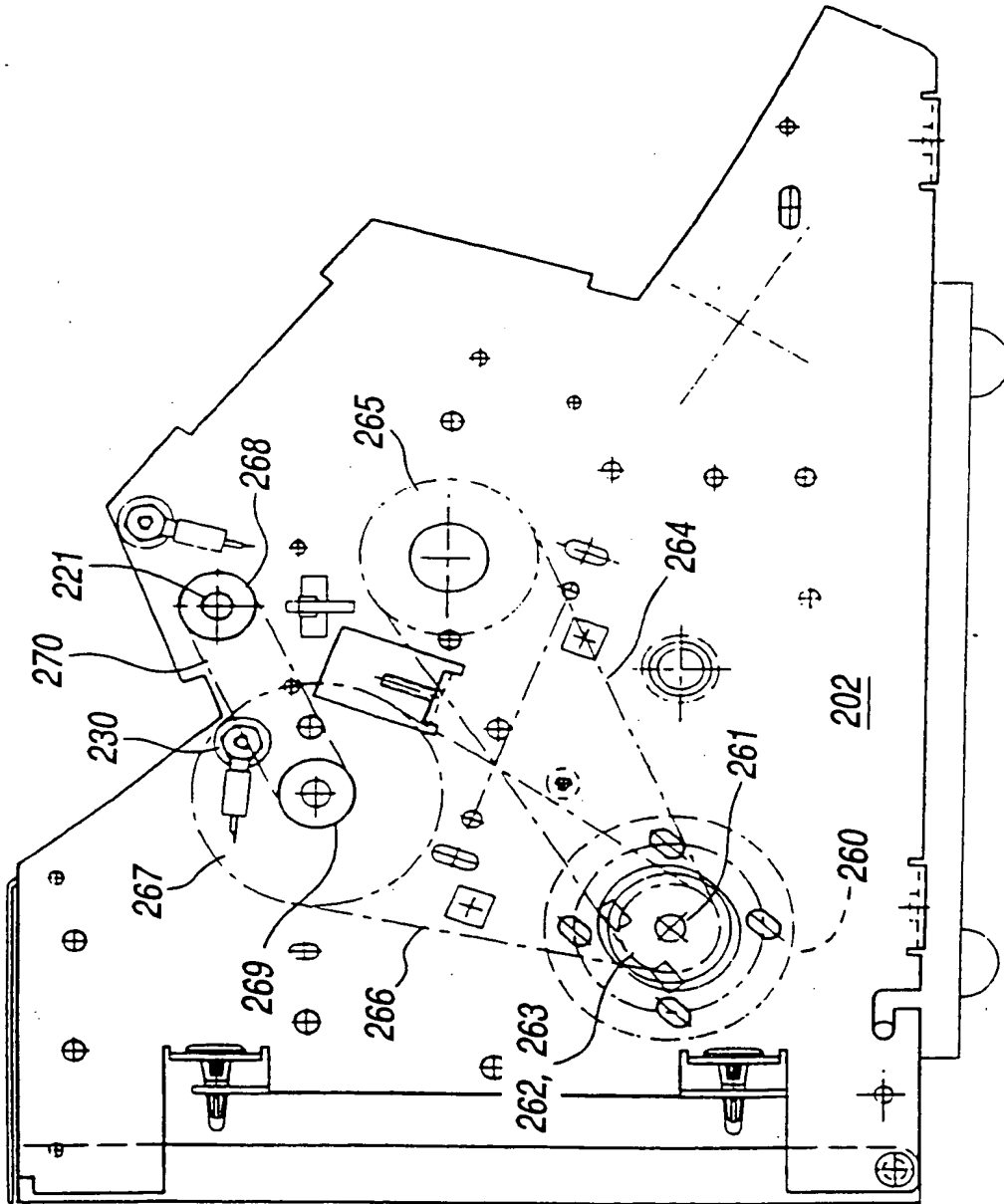


FIG. 22

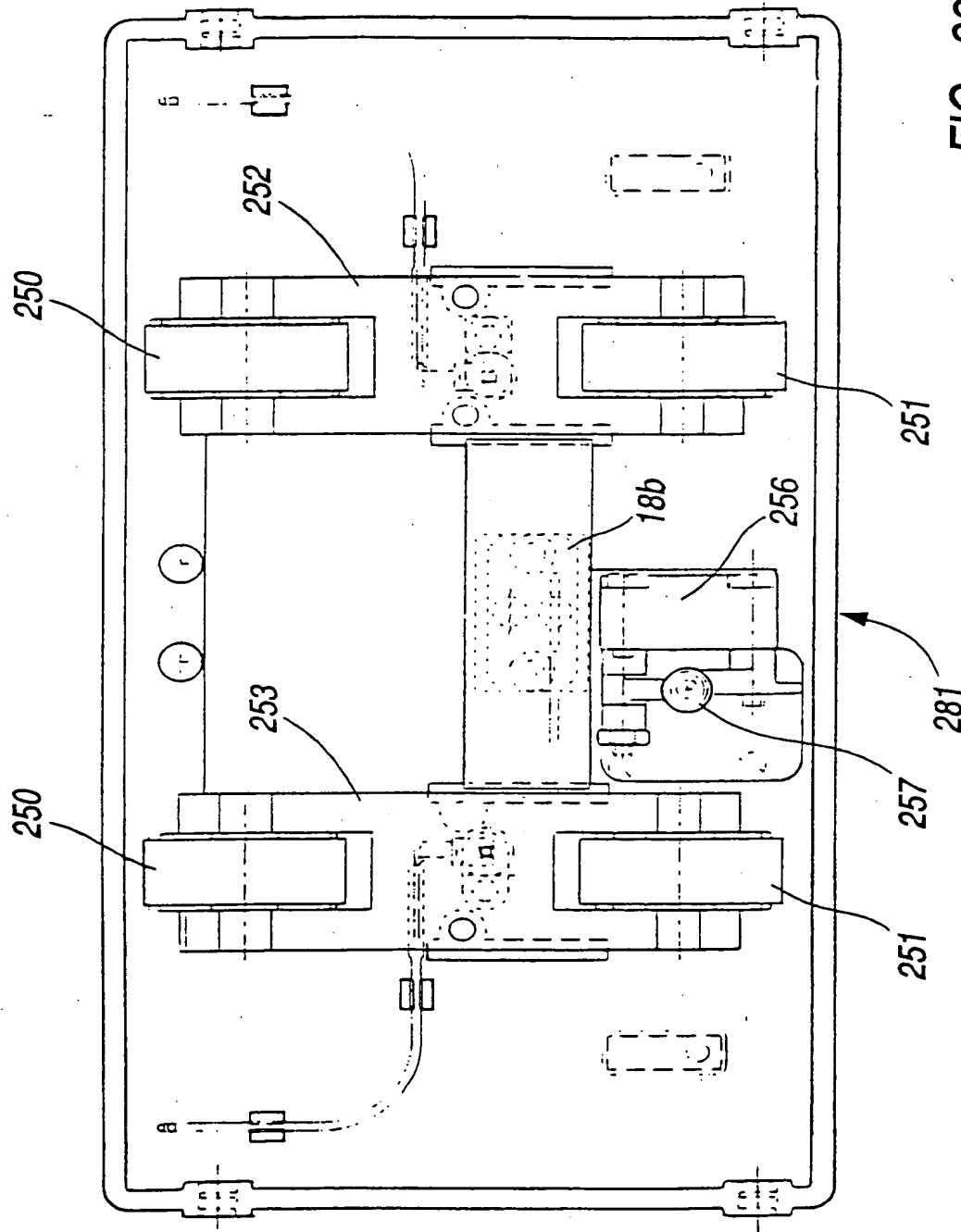


FIG. 23

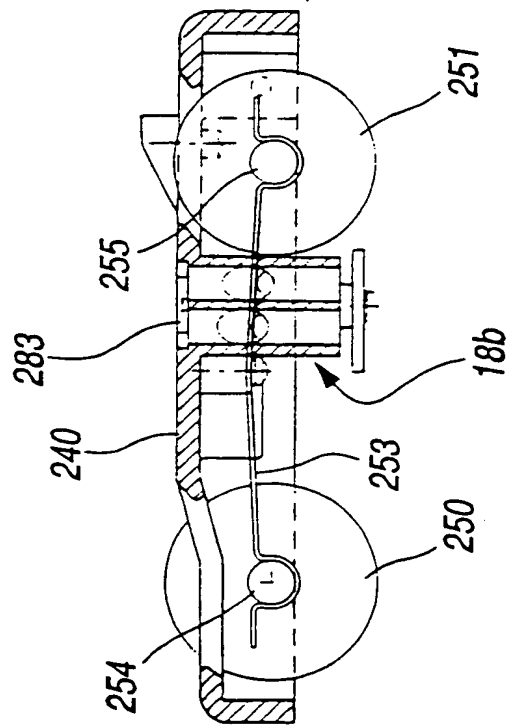
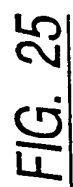
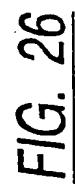


FIG. 24



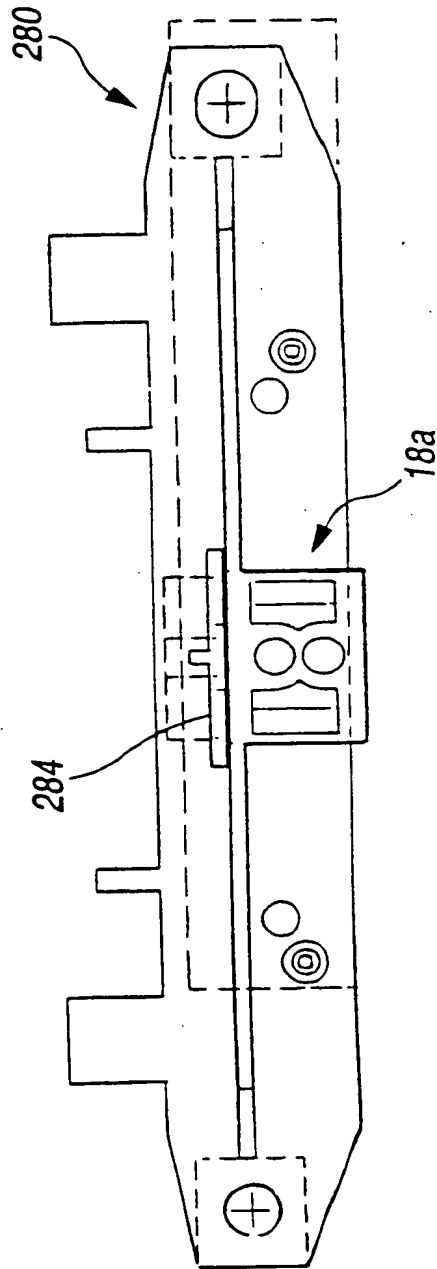


FIG. 27

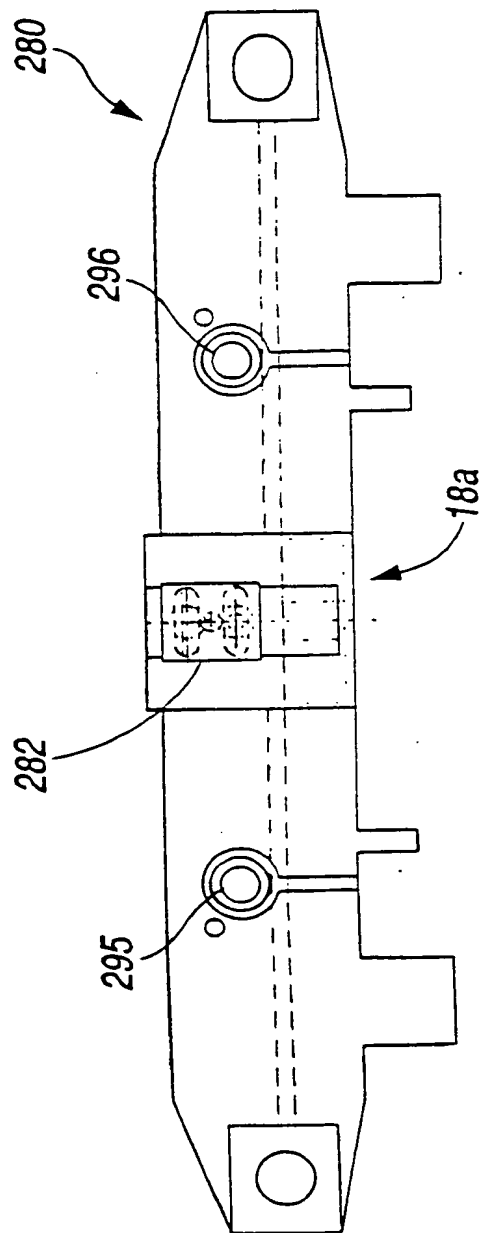


FIG. 28

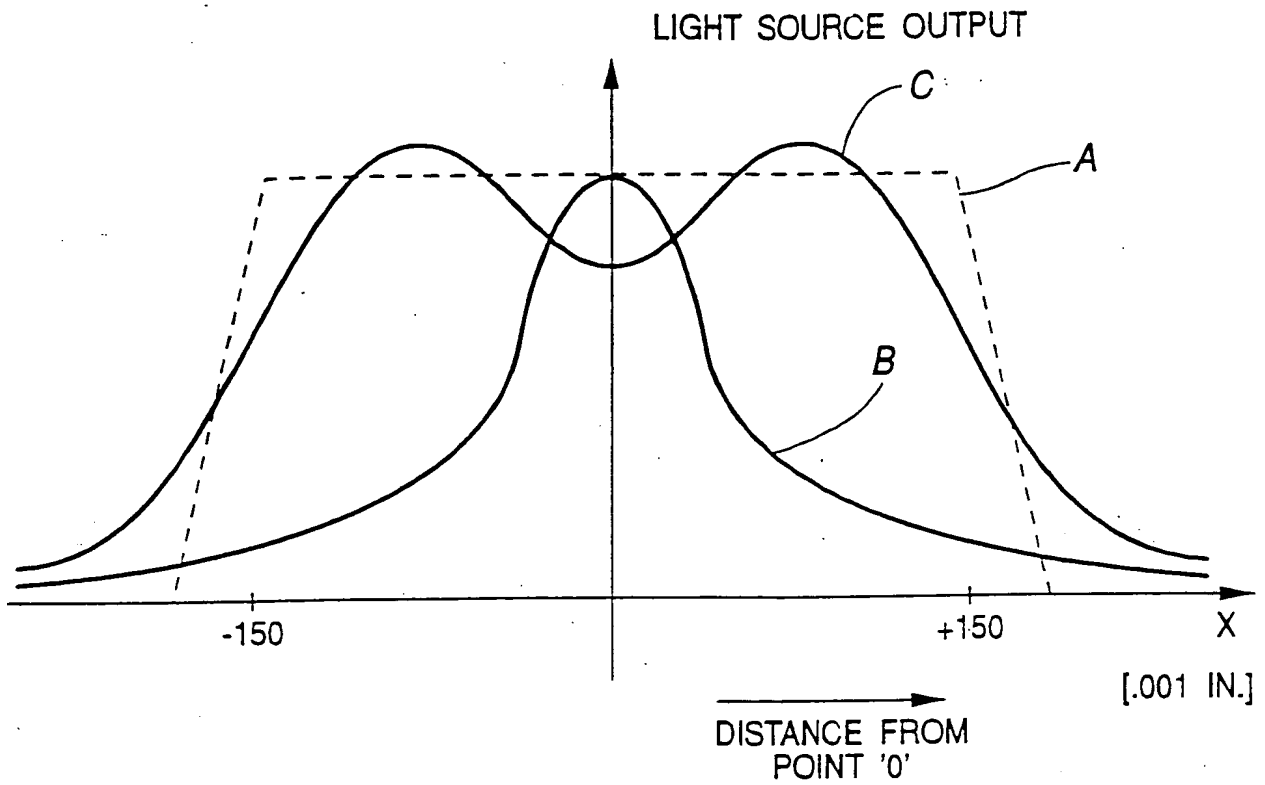


FIG. 29

DIRECTION OF
BILL FLOW

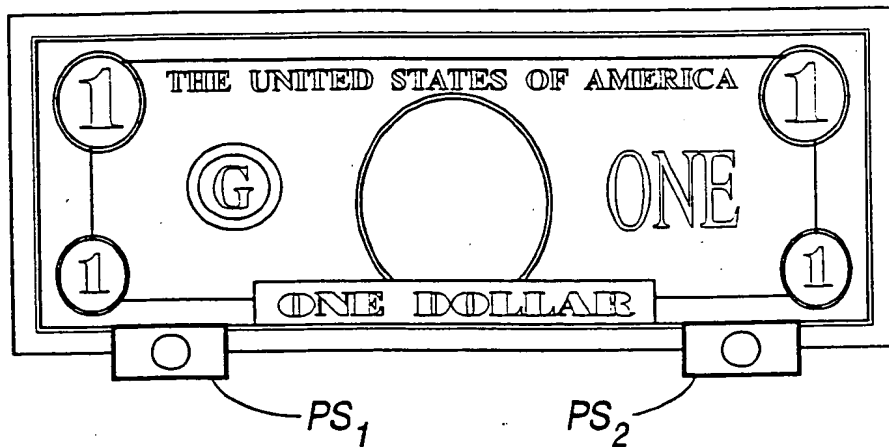


FIG. 30a

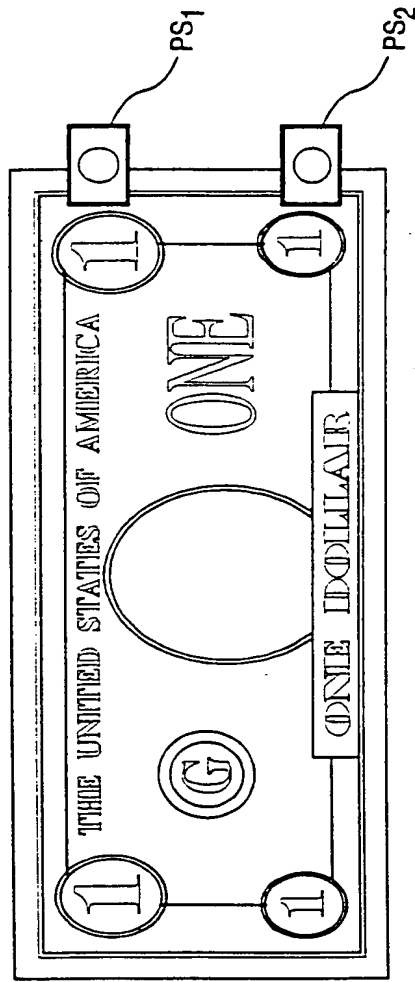


FIG. 30b

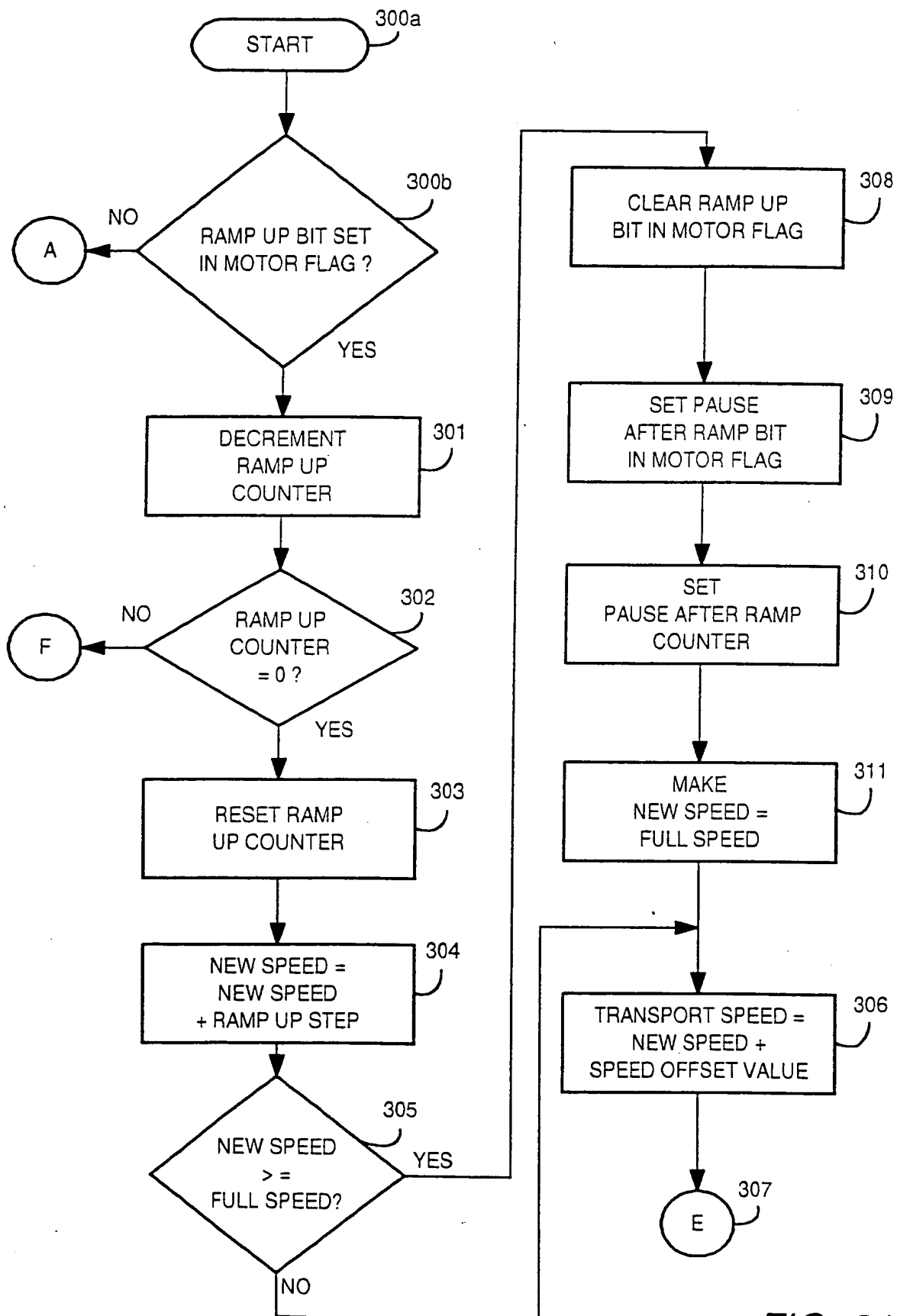


FIG. 31

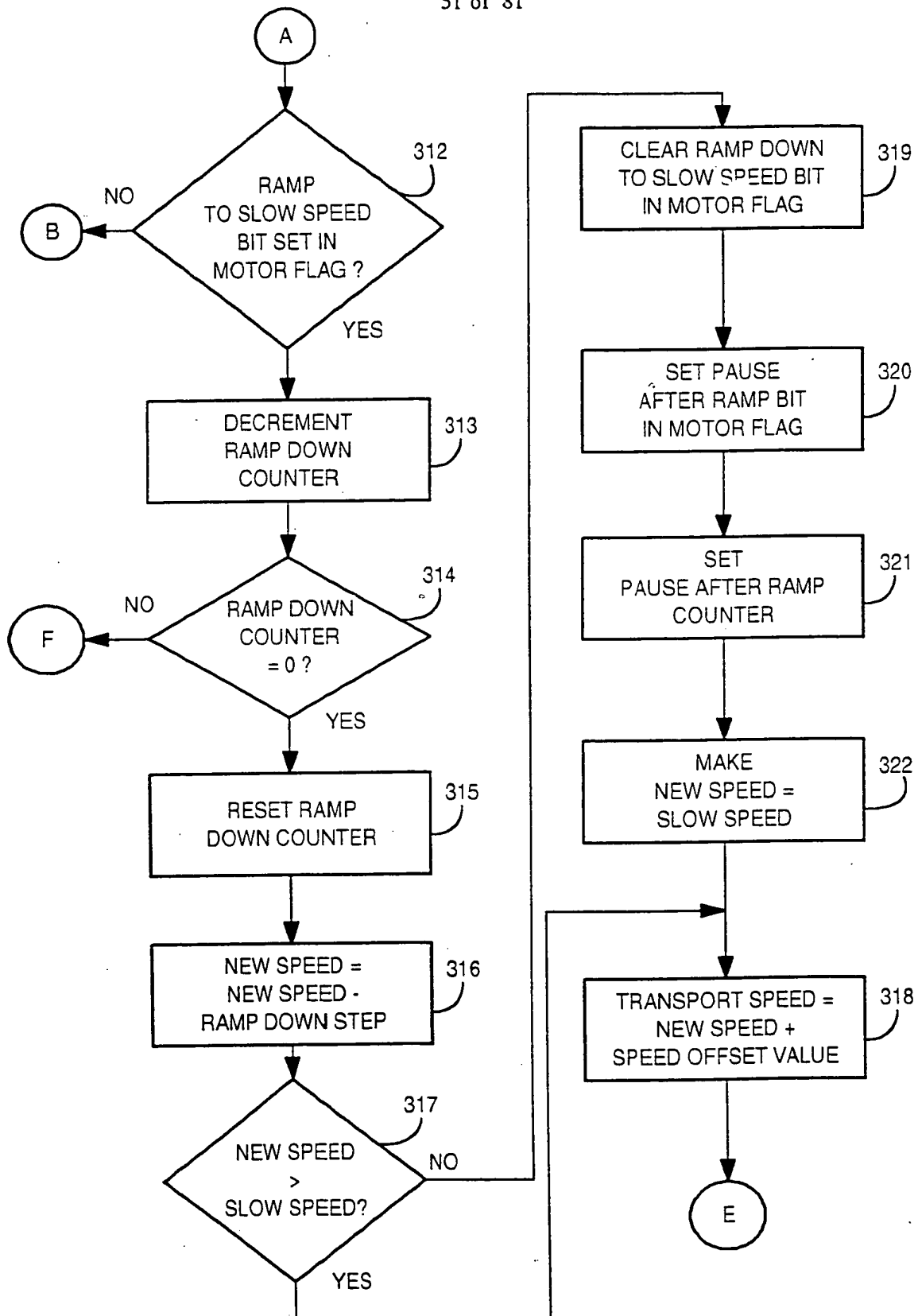


FIG. 32

005060" T8455960

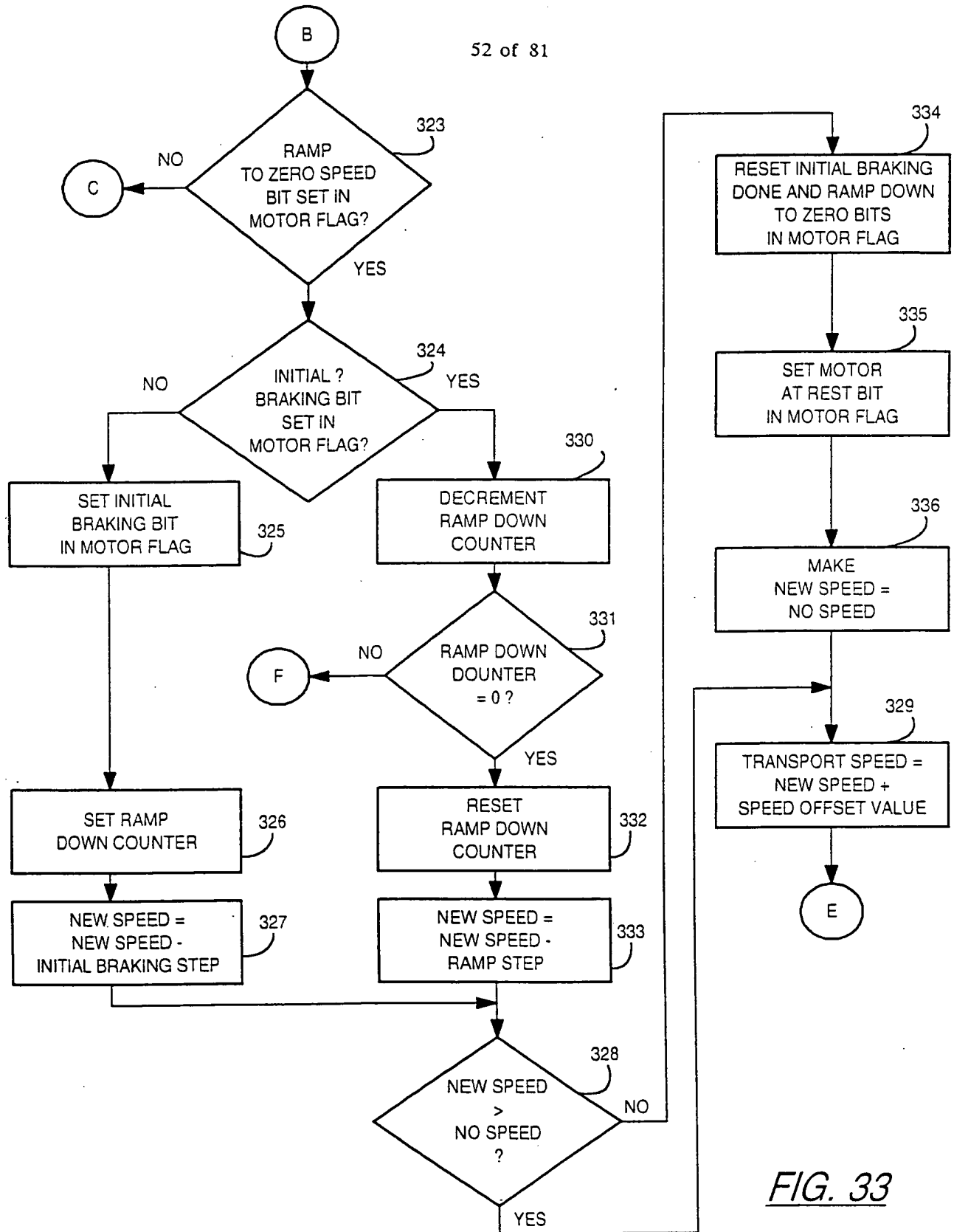
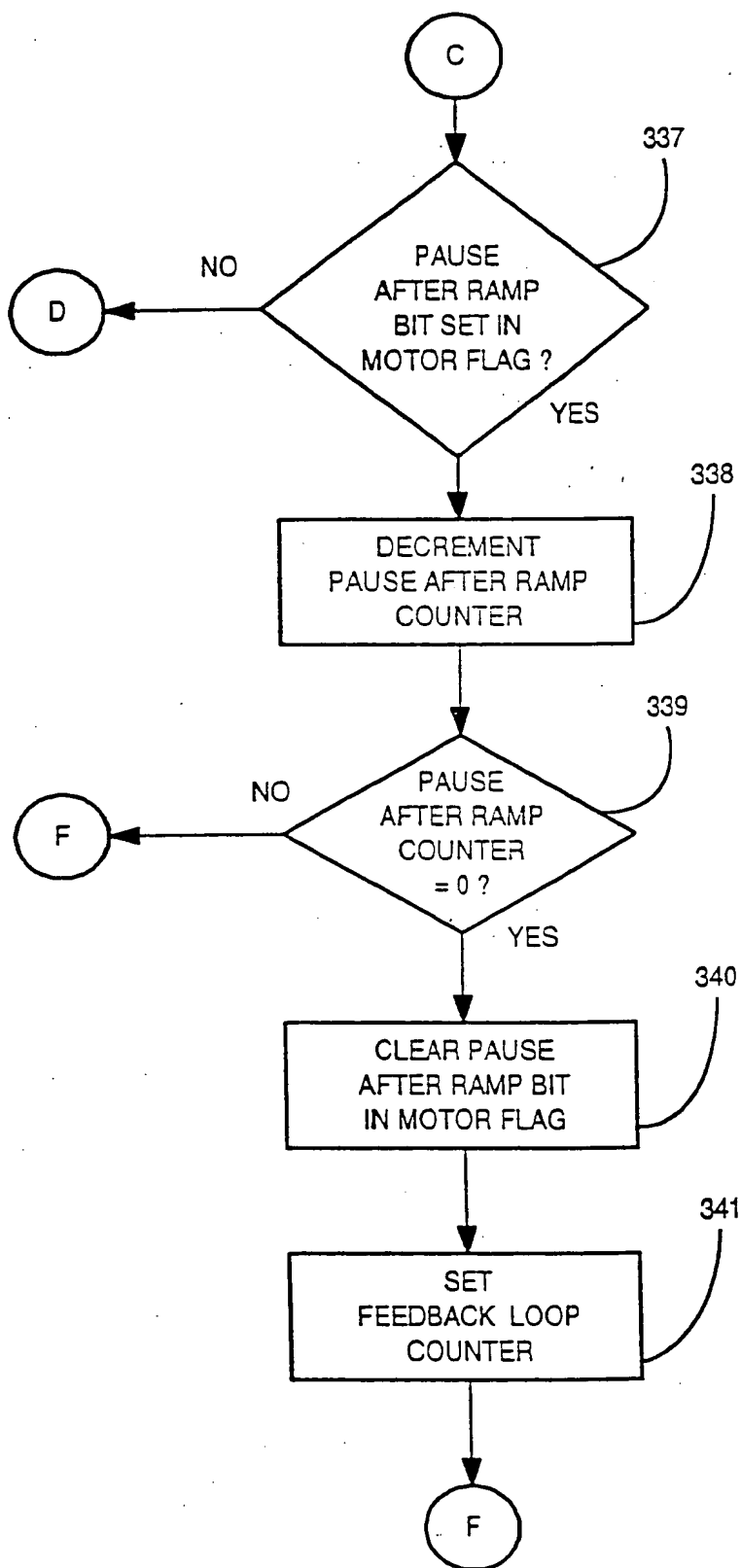


FIG. 33

FIG. 34

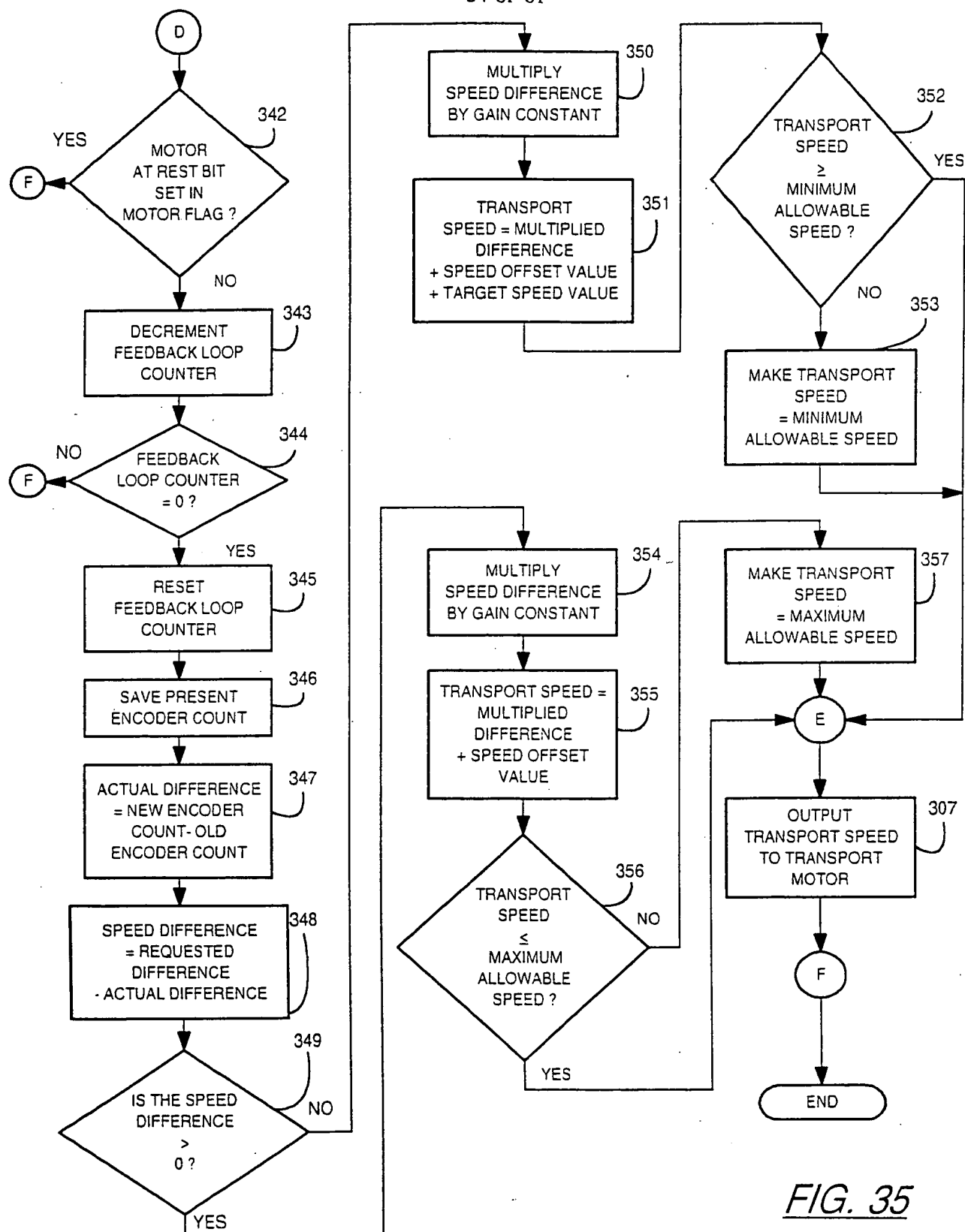
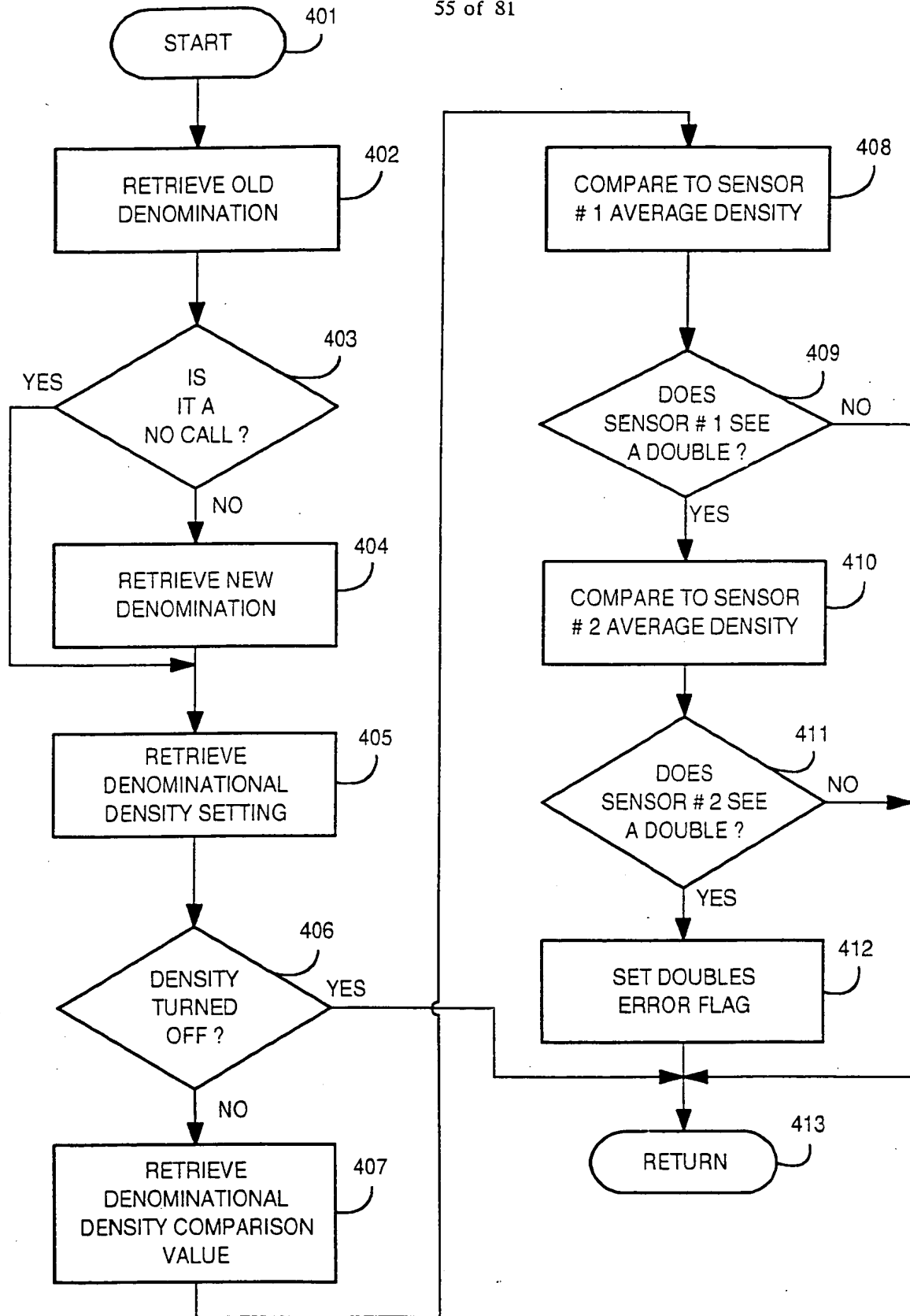
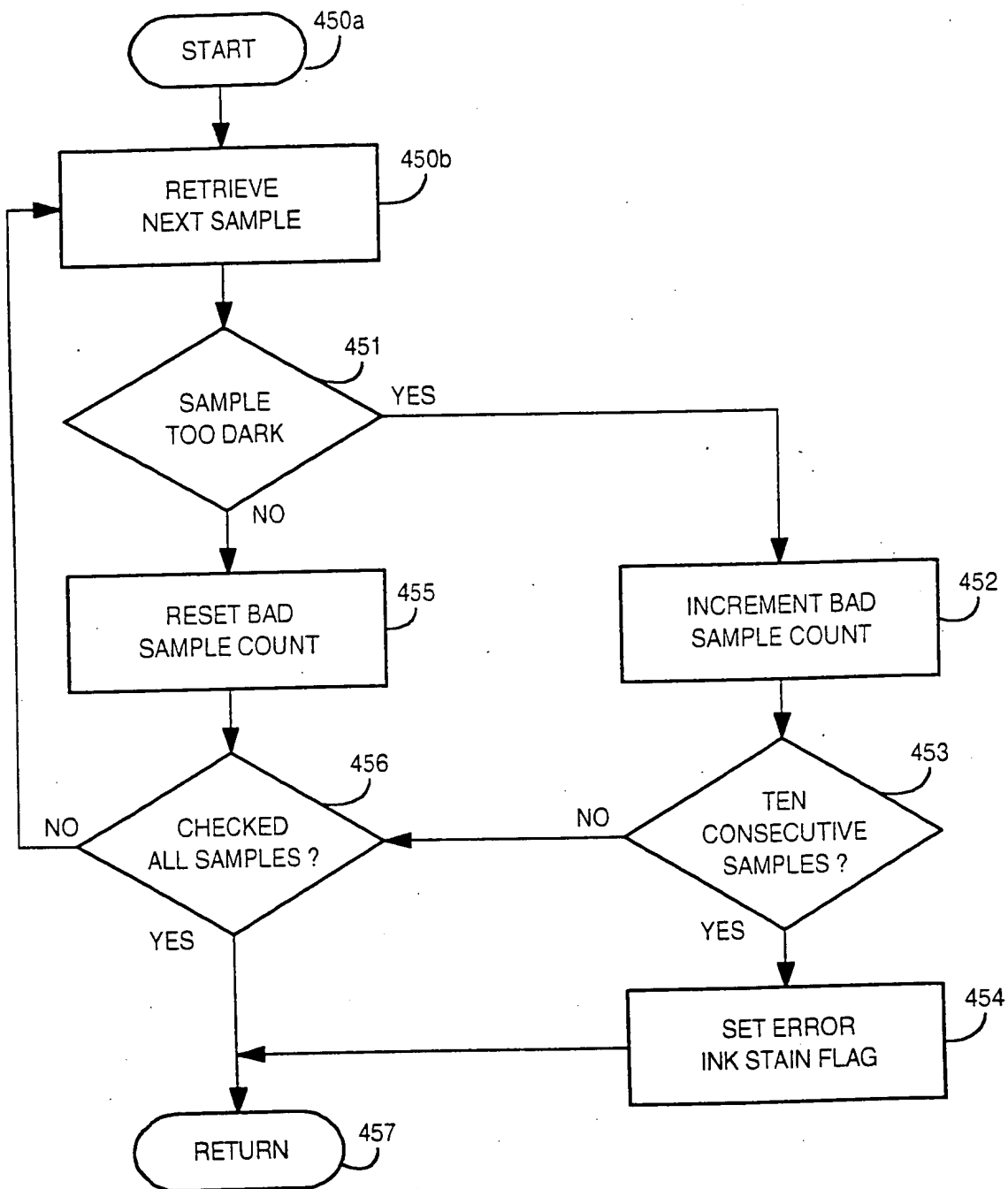
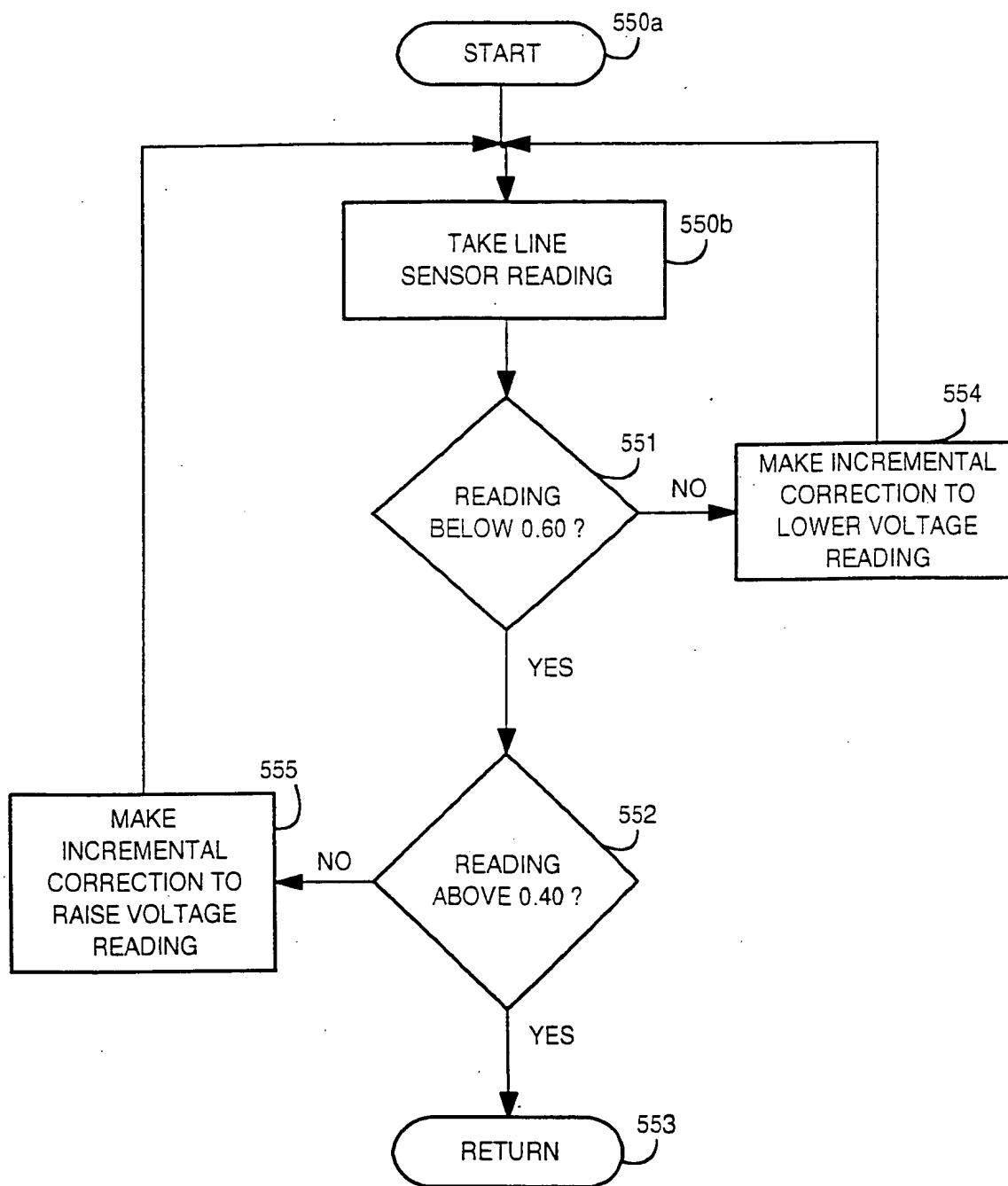
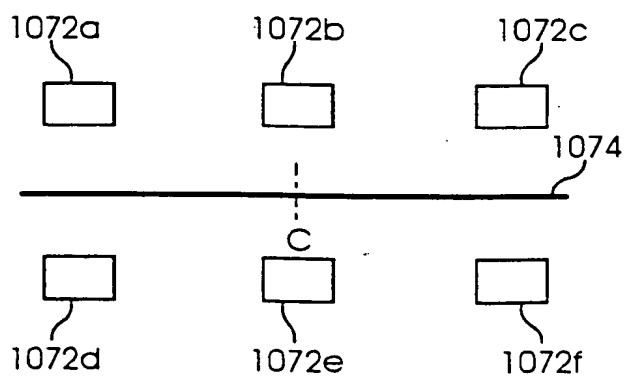
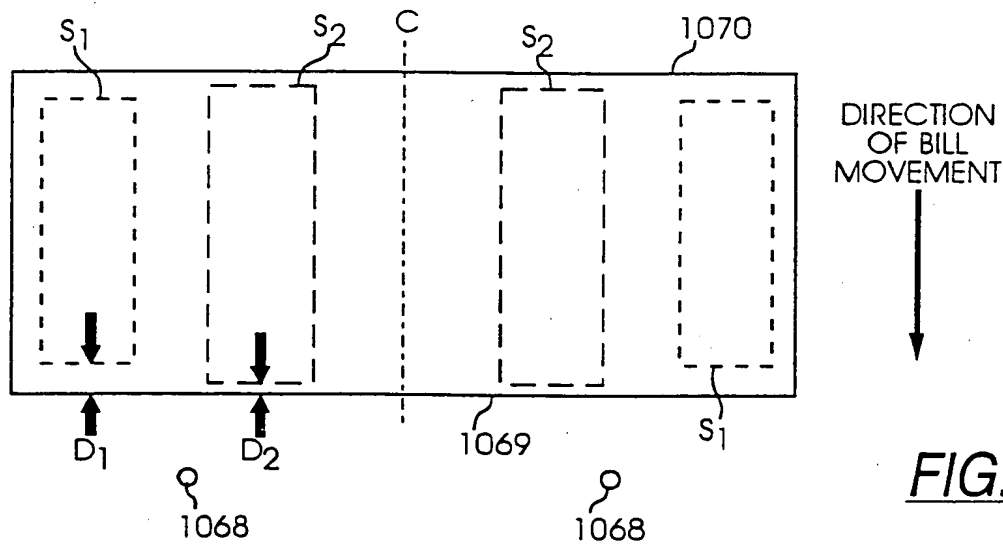
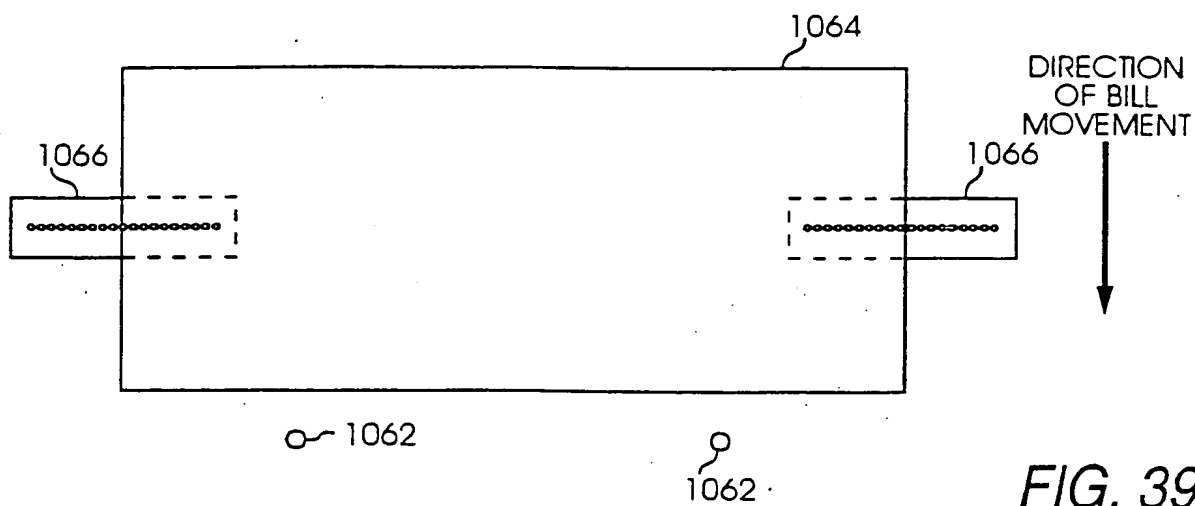


FIG. 35

*FIG. 36*

FIG. 37

*FIG.38*



005060" T8455960

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\$20 Before Shifting : Corr = 644

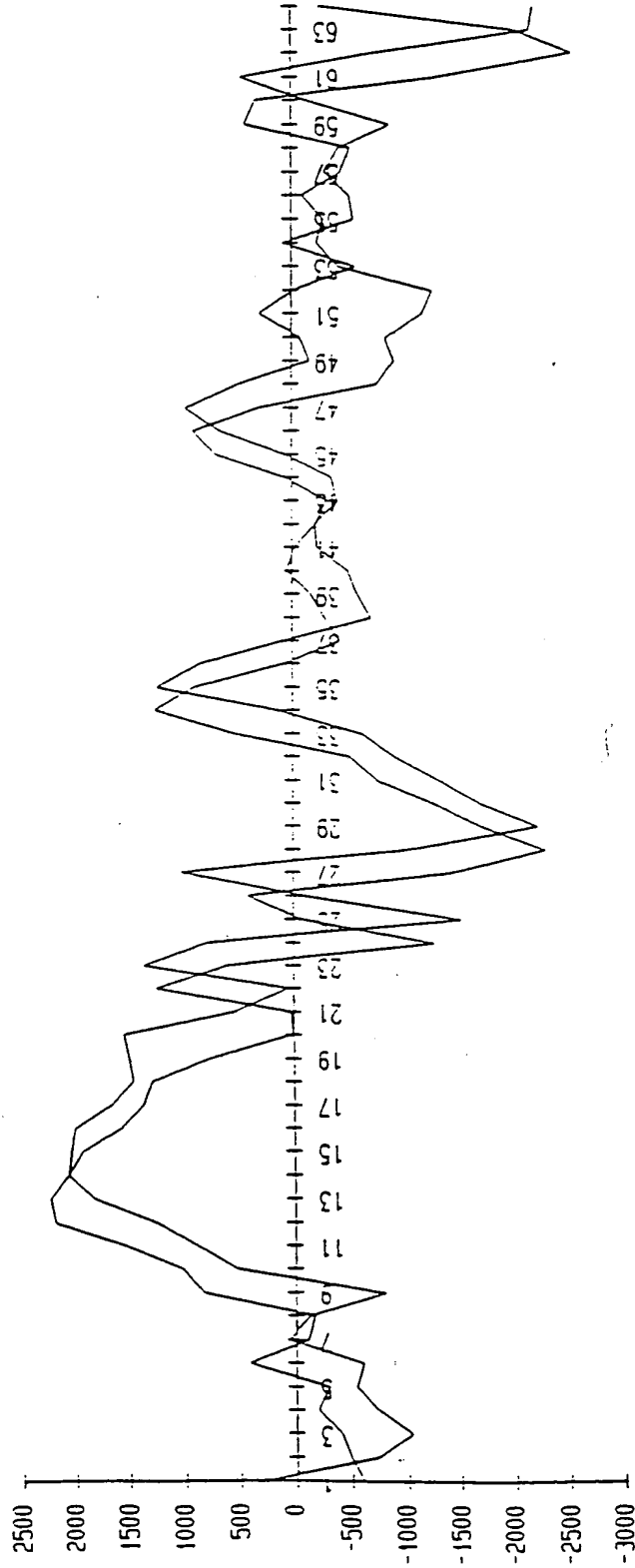


FIG. 41a

005060" T8455960

\$20 After Shifting : Corr = 966

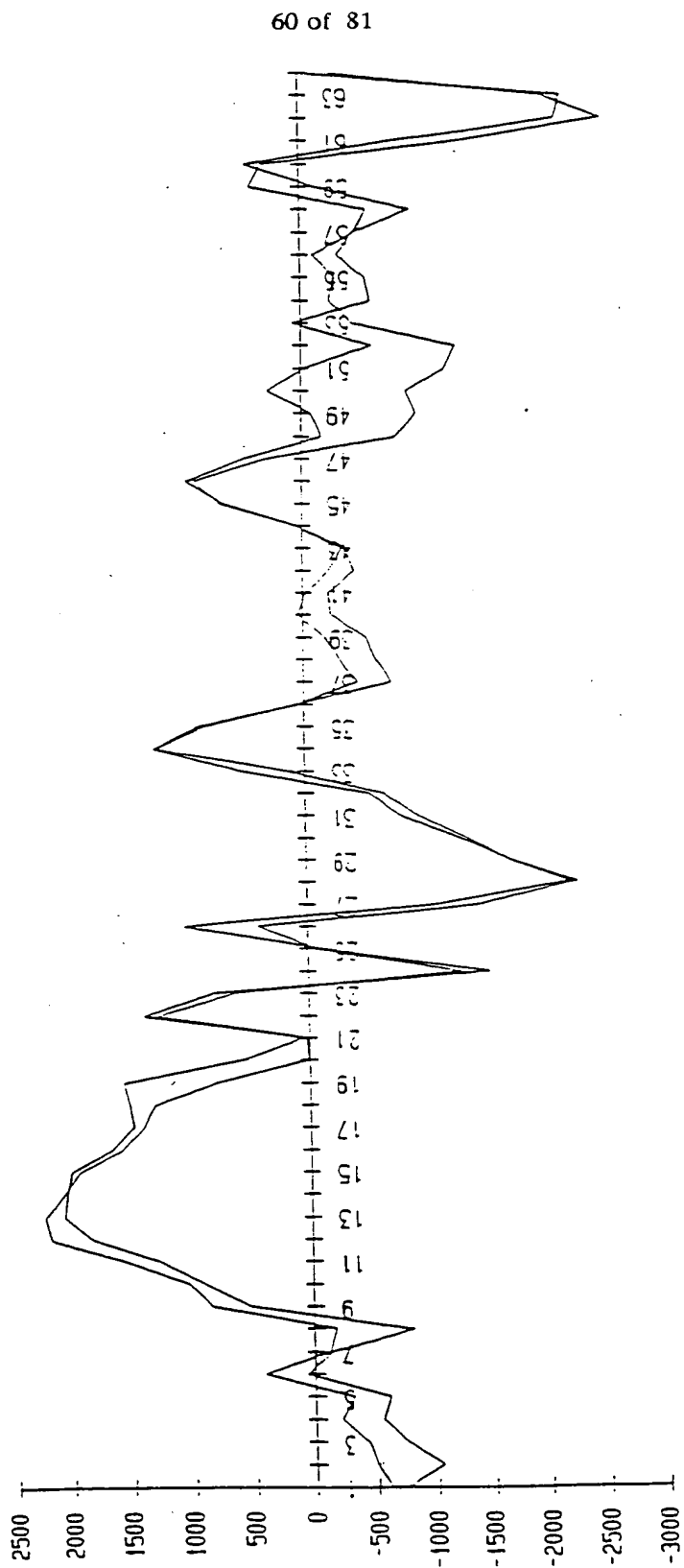


FIG. 41b

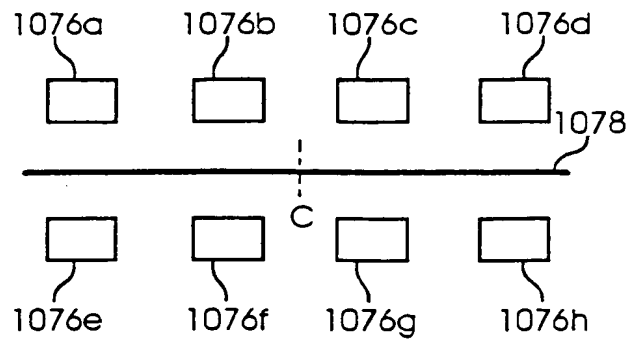


FIG. 43

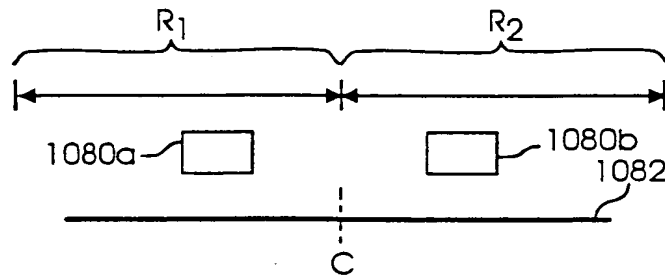


FIG. 44

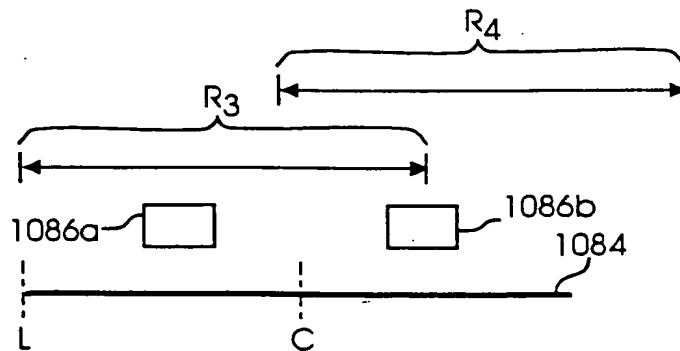


FIG. 45

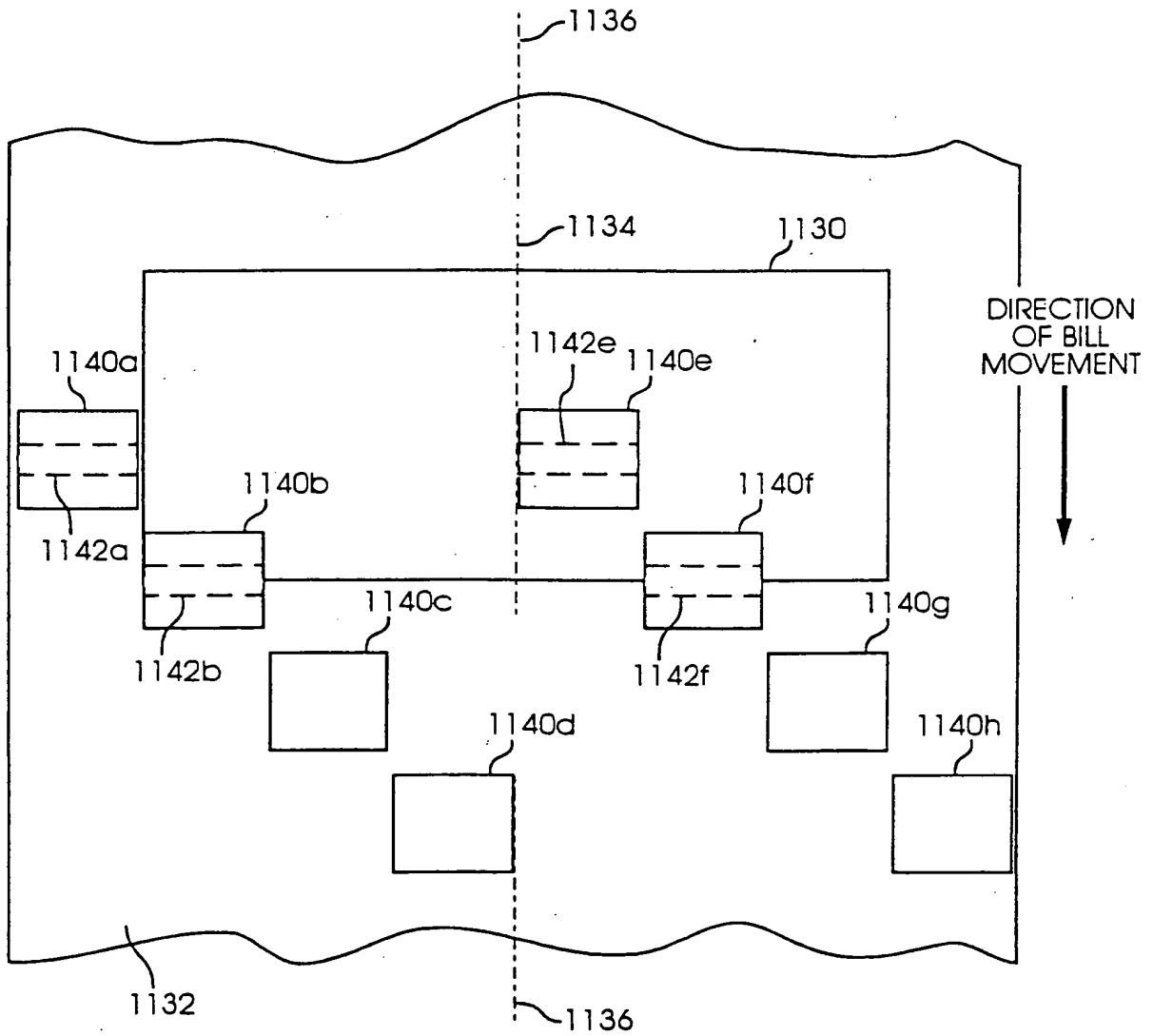


FIG. 46

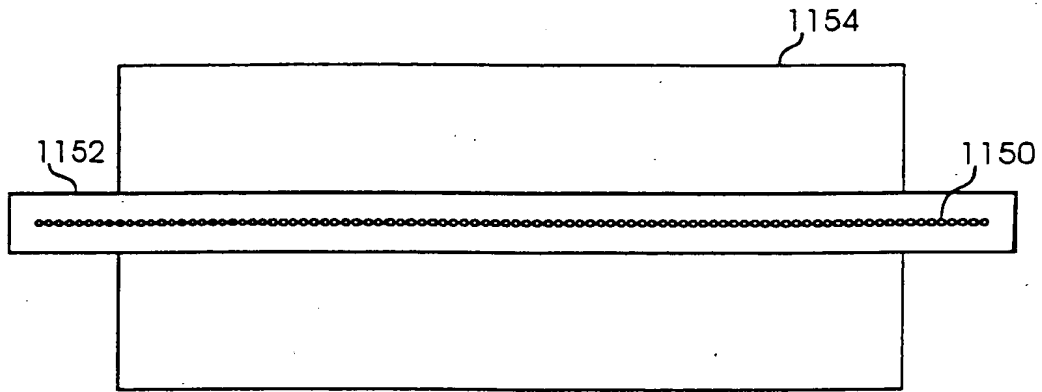


FIG. 47a

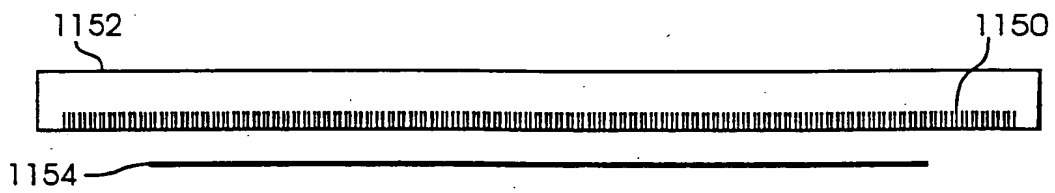


FIG. 47b

005060" T845960

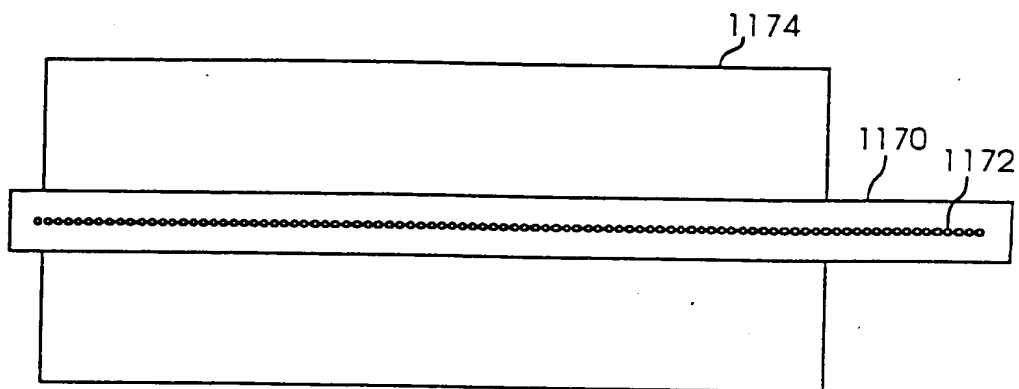


FIG. 48

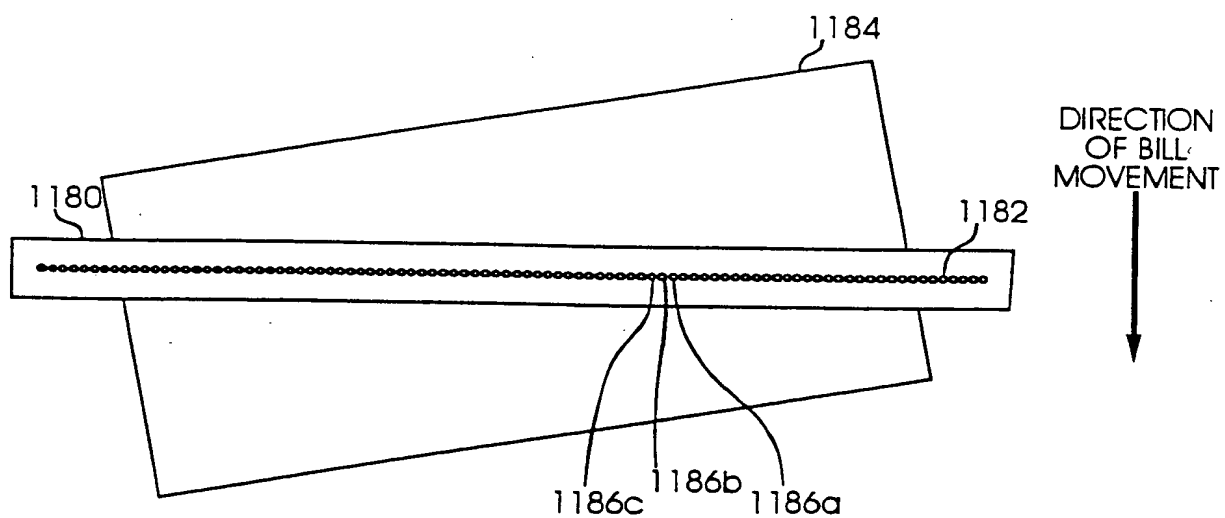
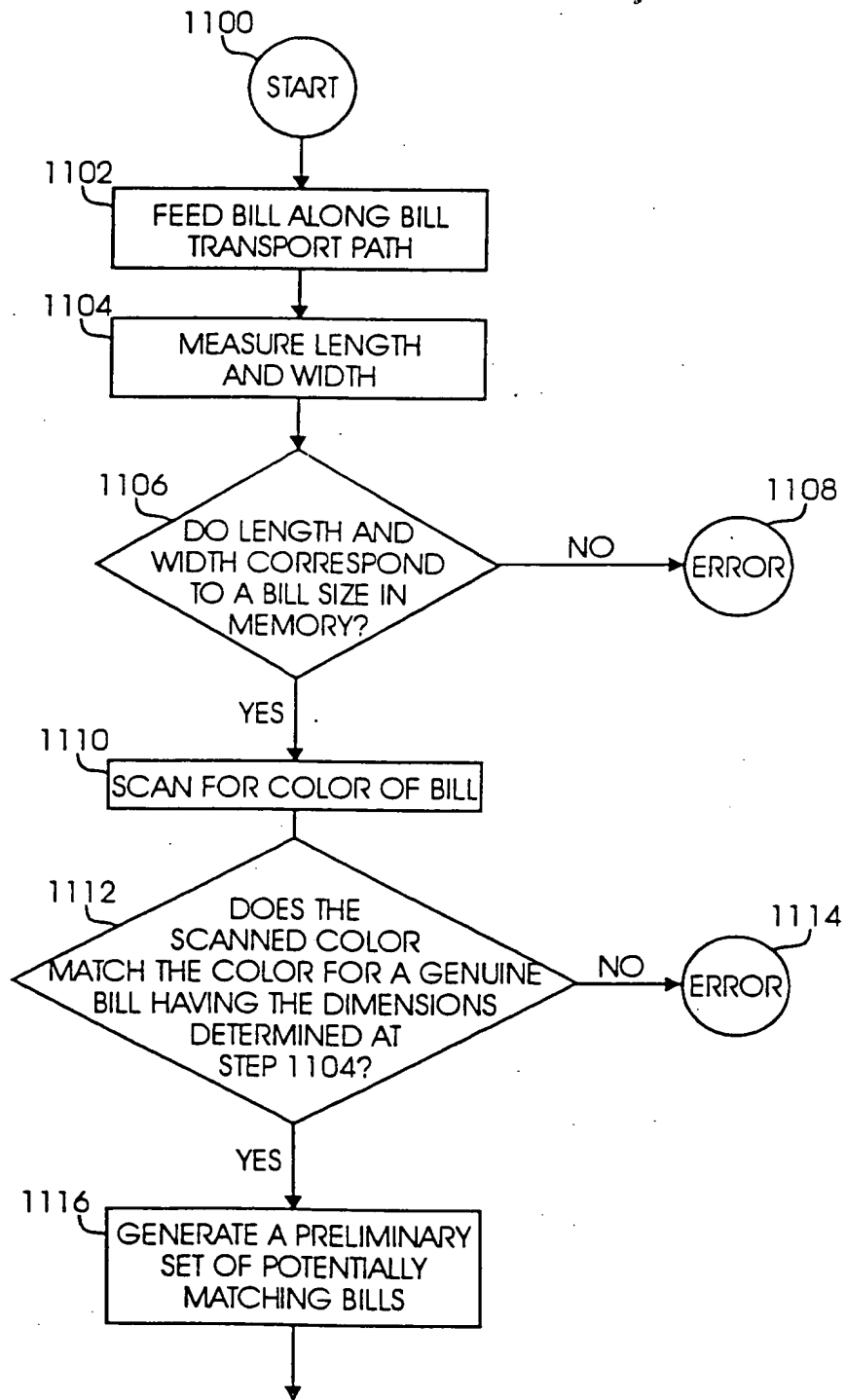
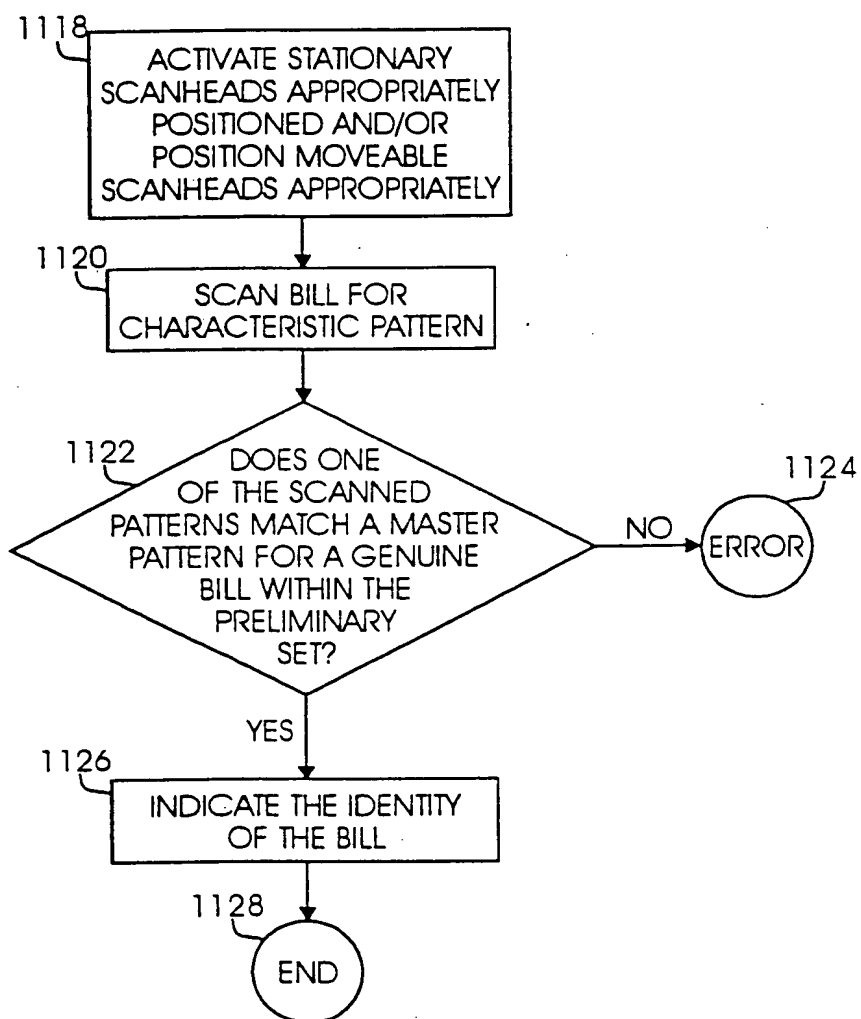


FIG. 49

005060" 18455960

*FIG. 50a*

*FIG. 50b*

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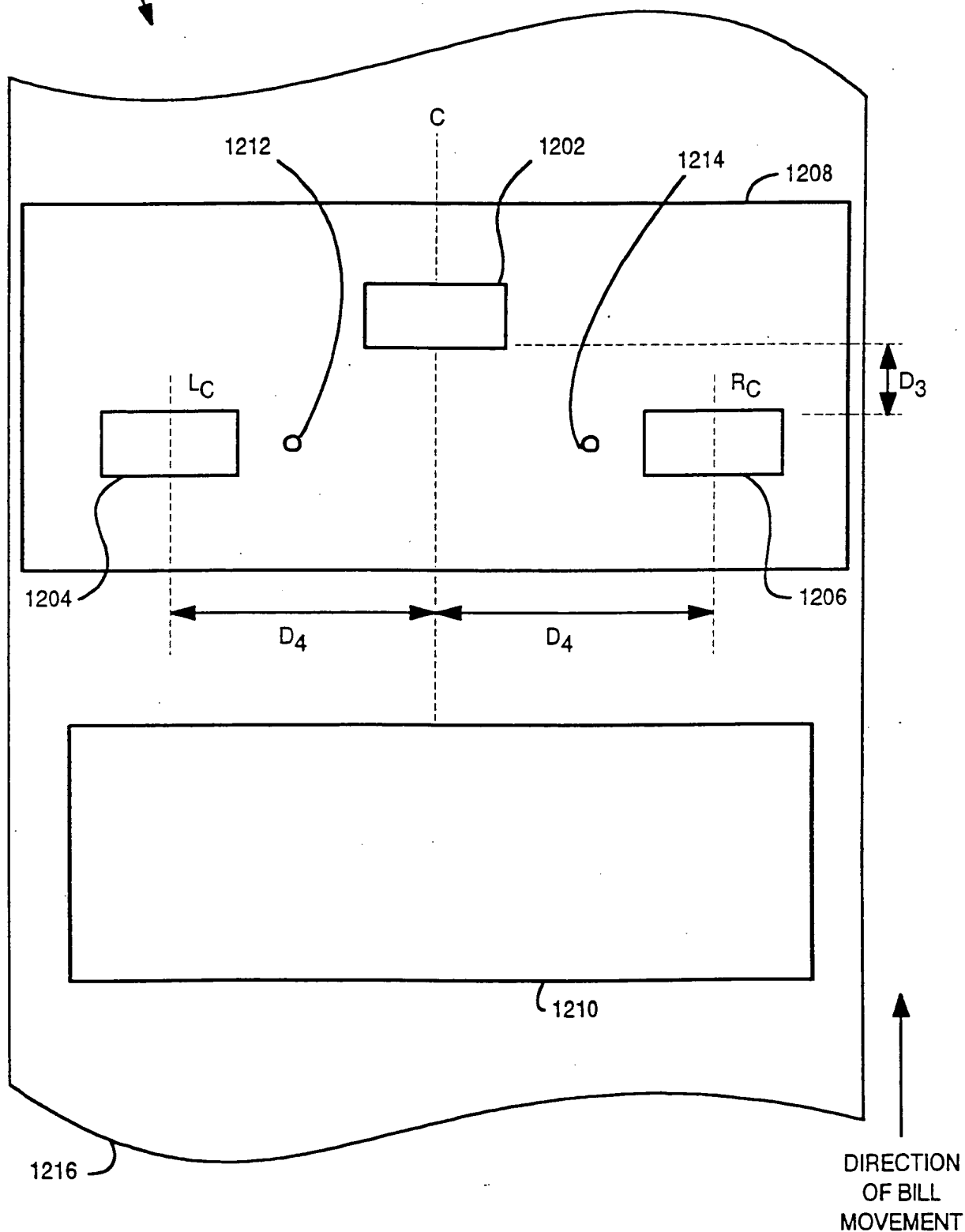


FIG. 51

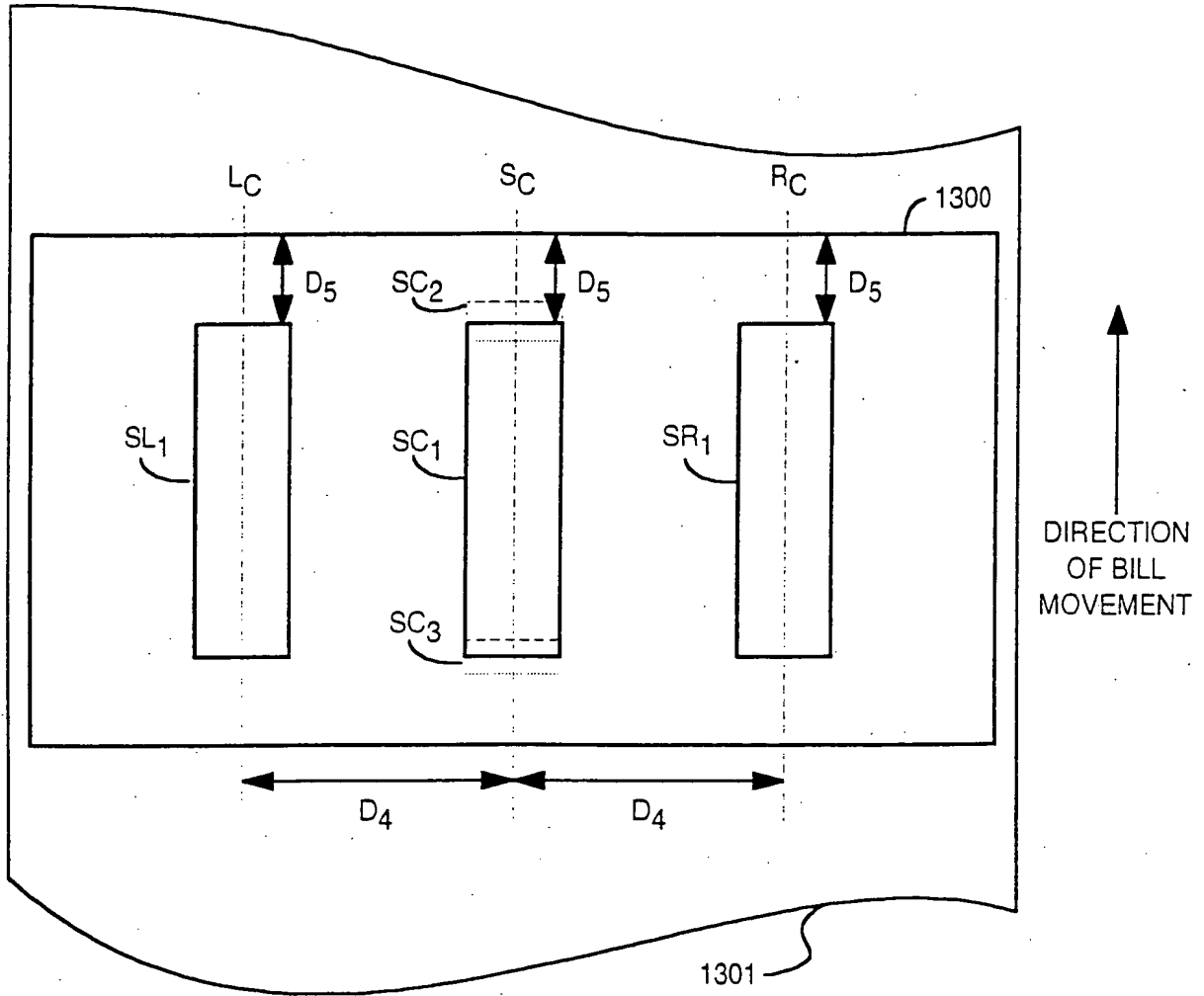
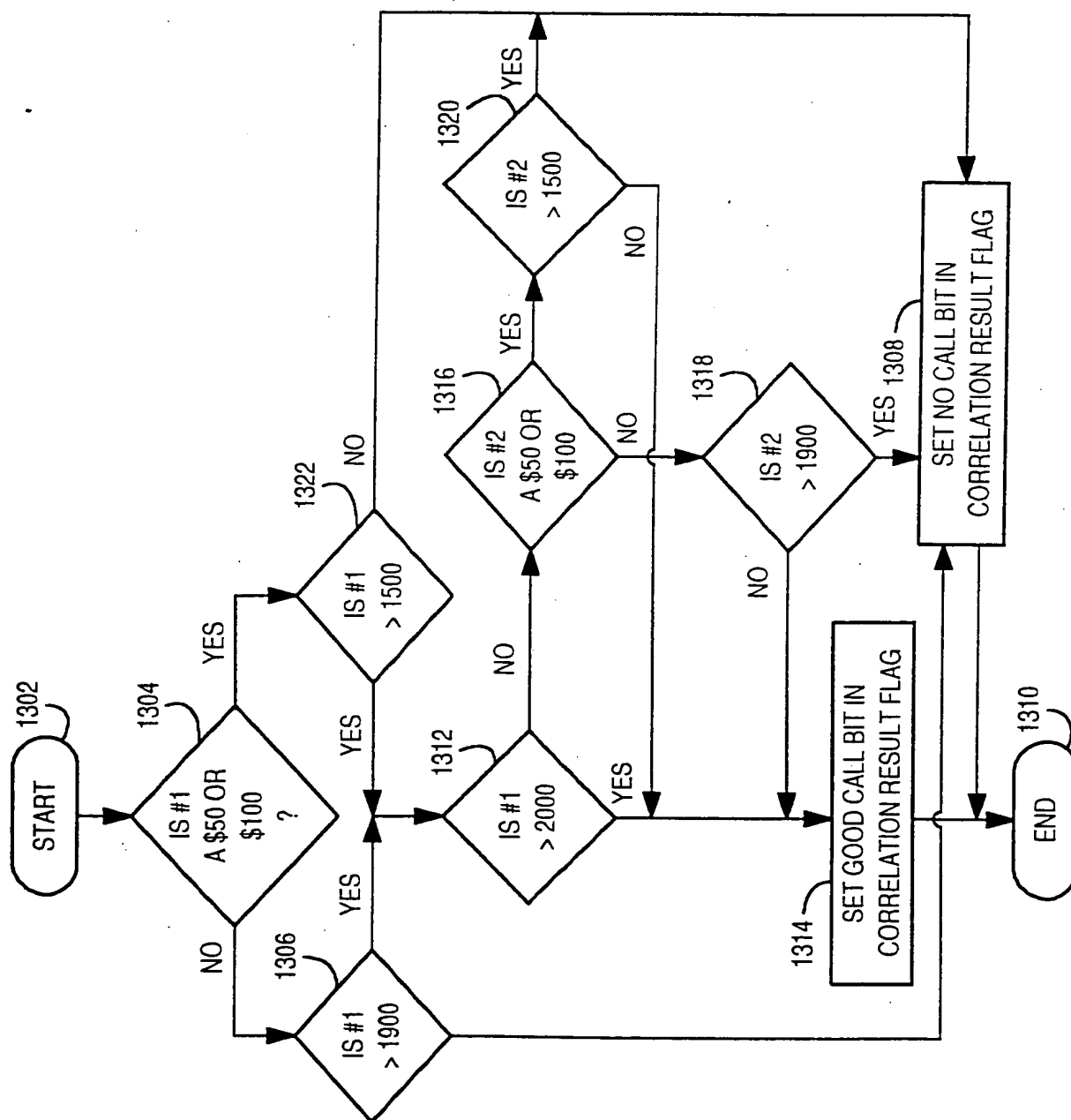


FIG. 52

FIG. 53



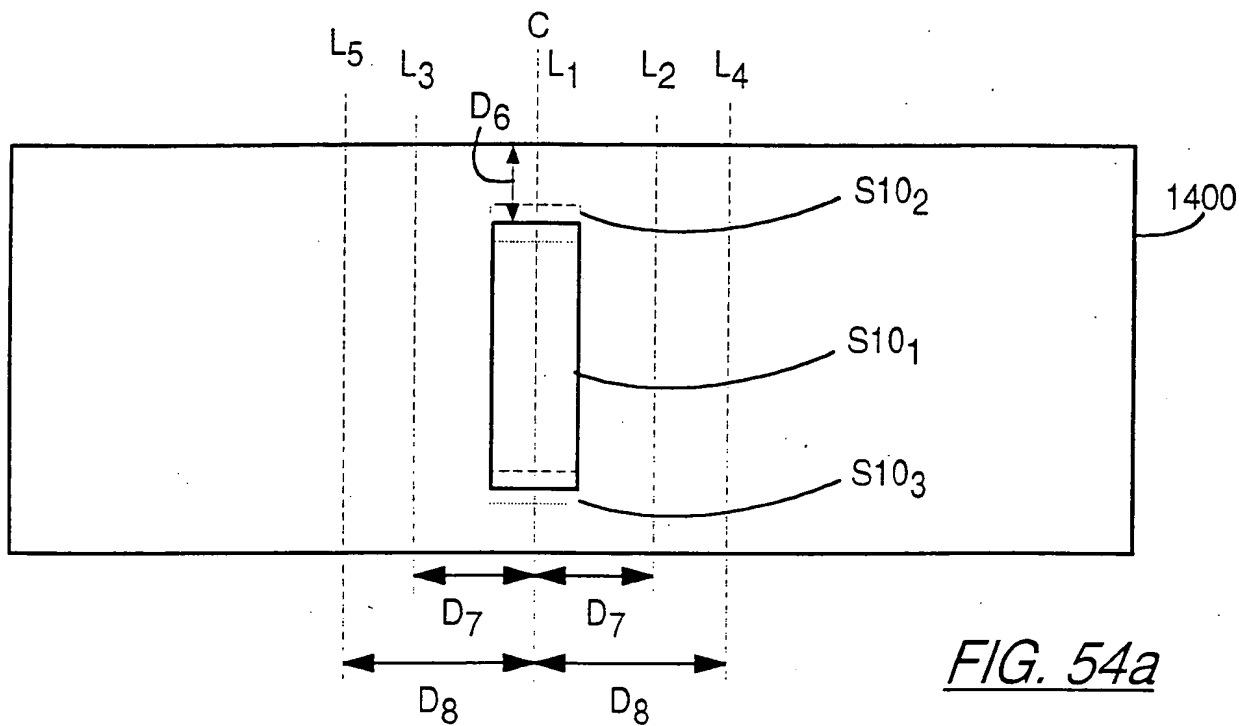


FIG. 54a

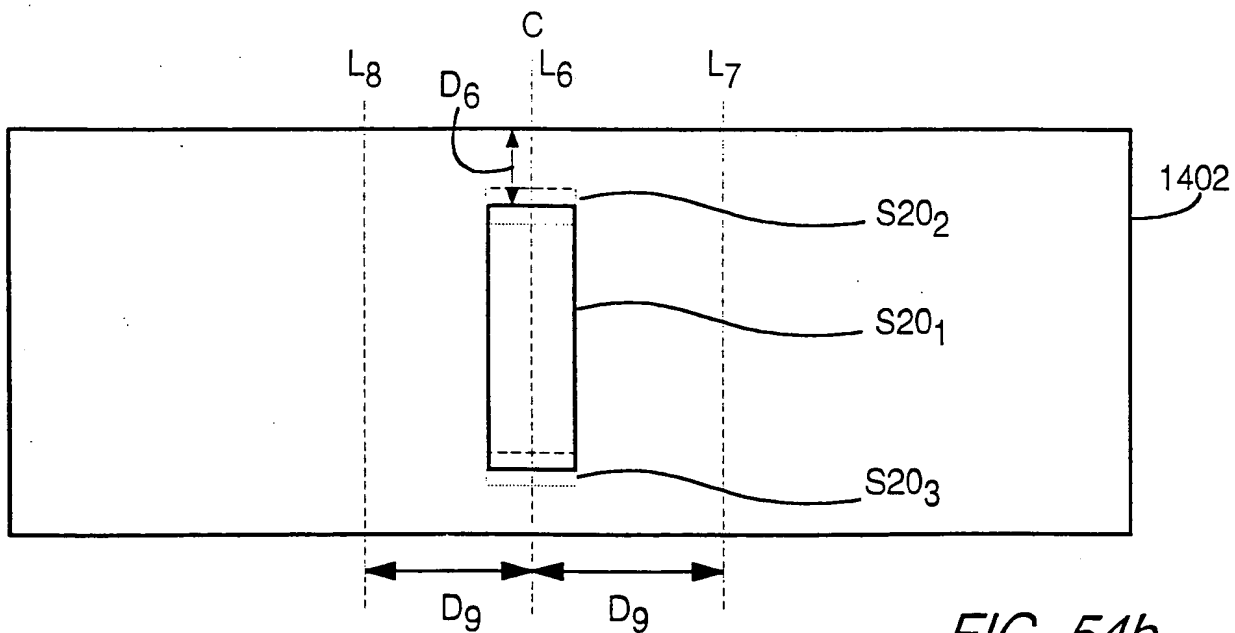
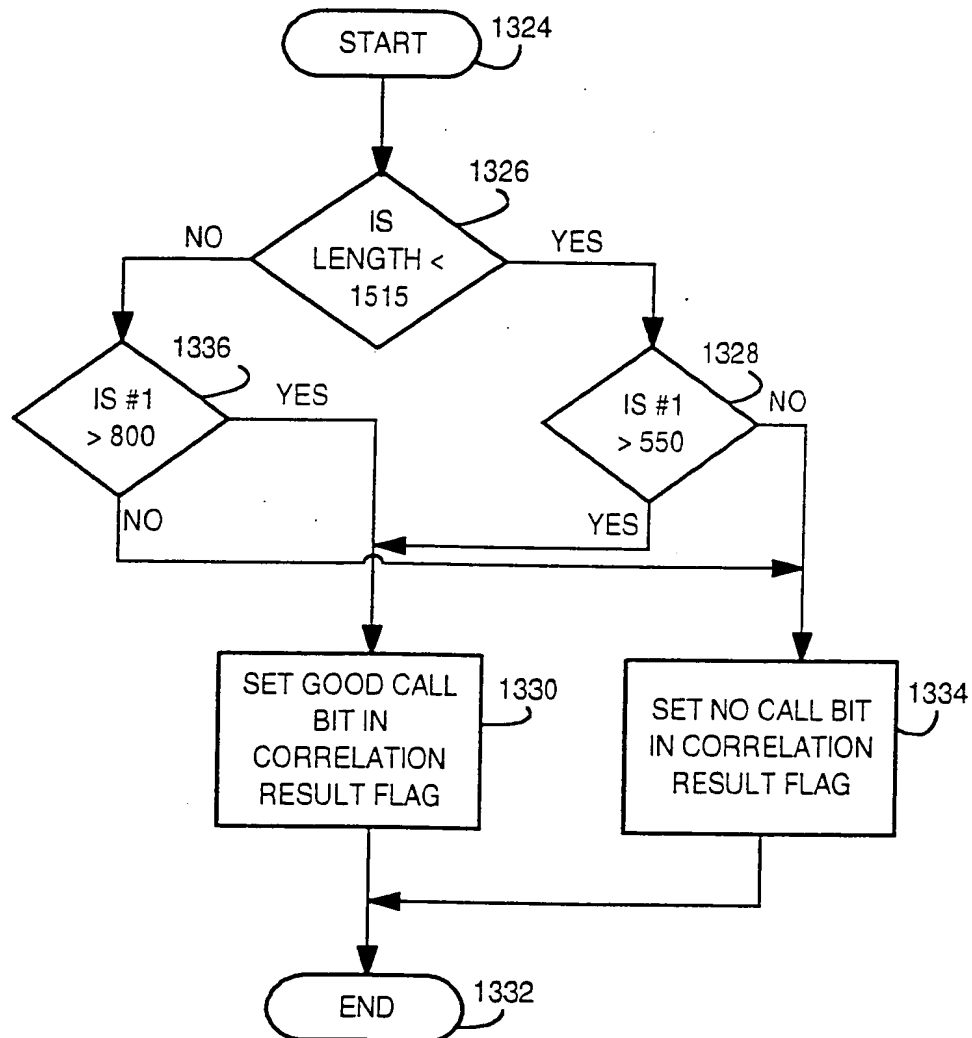


FIG. 54b

*FIG. 55*

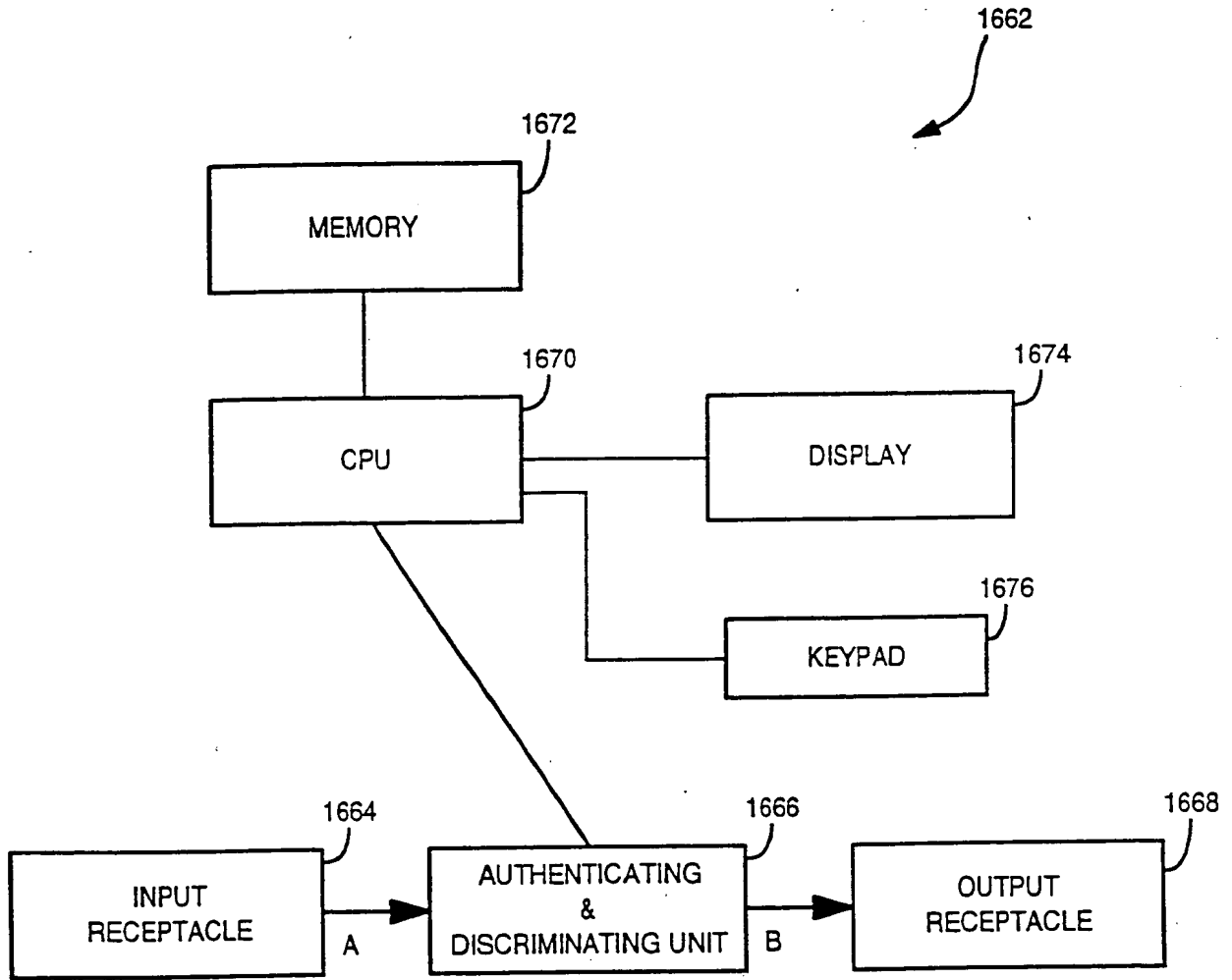


FIG. 56

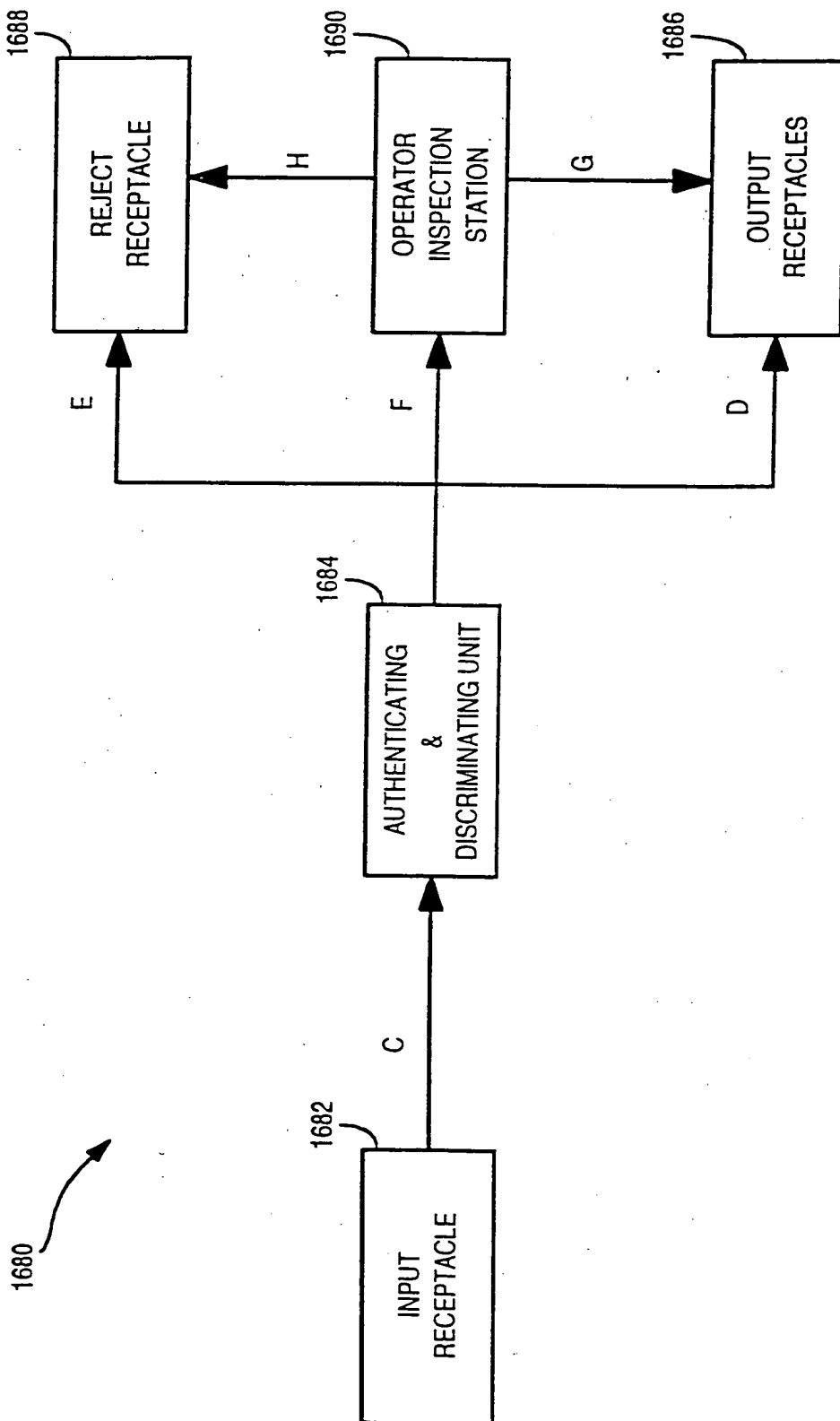


FIG. 57

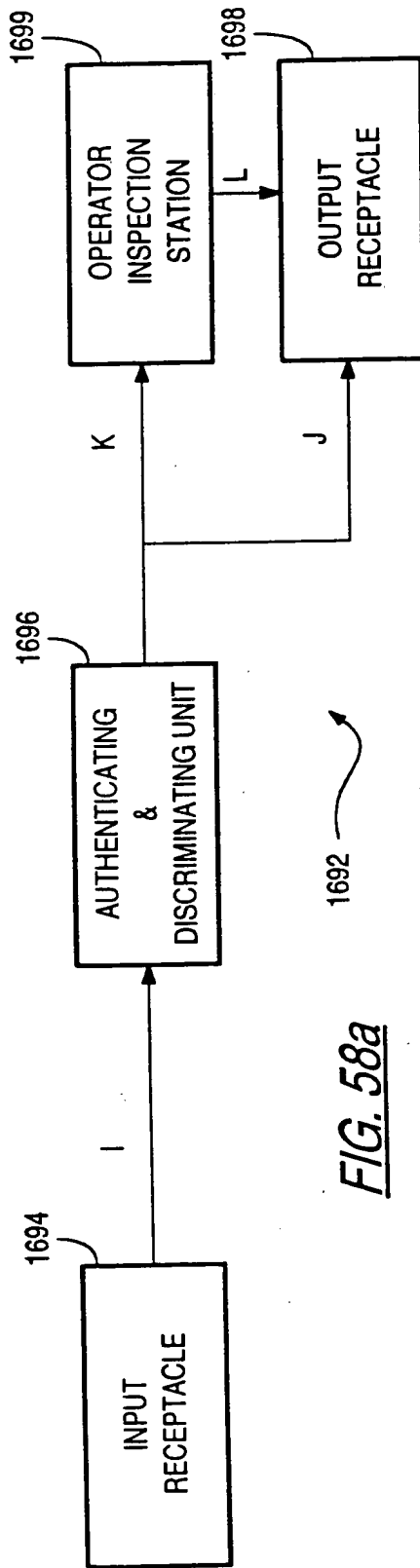


FIG. 58a

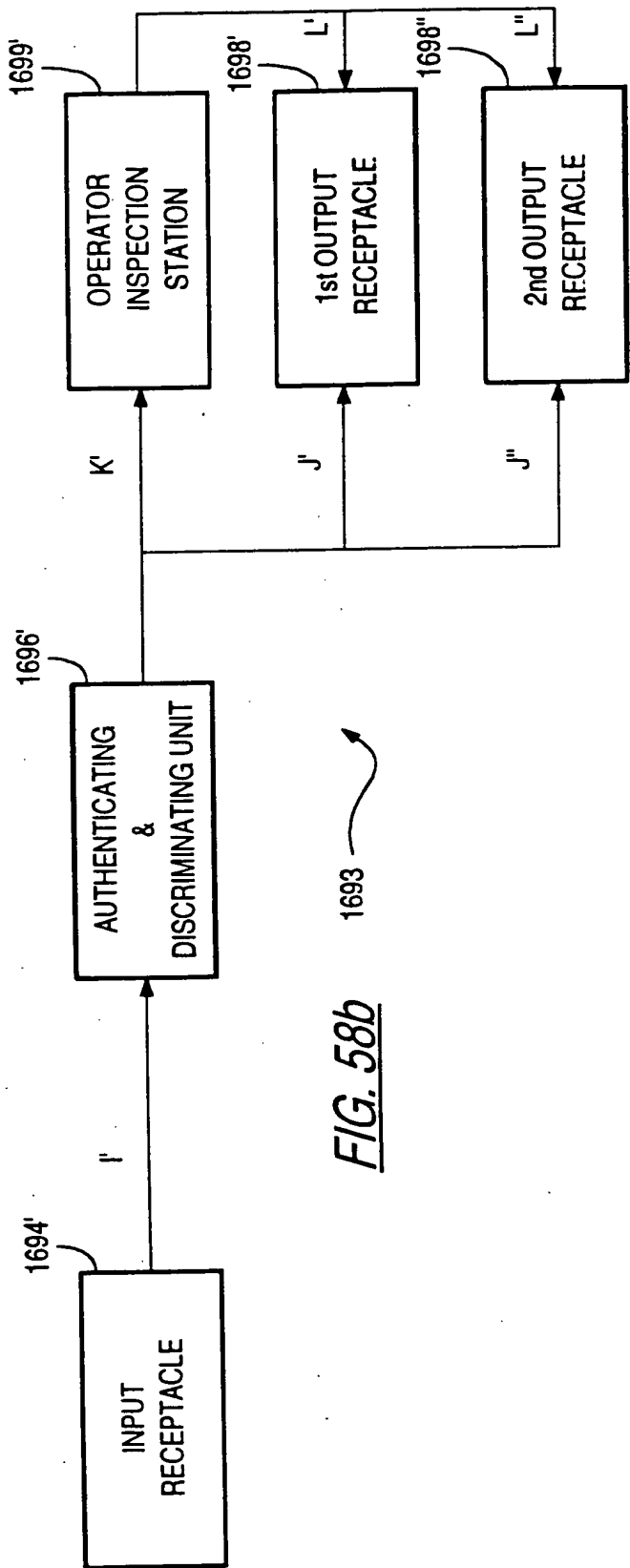


FIG. 58b

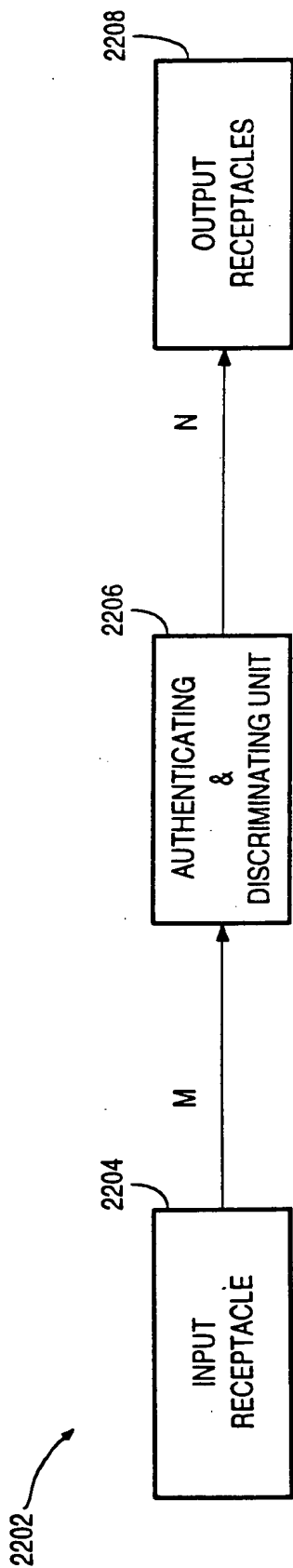


FIG. 58c

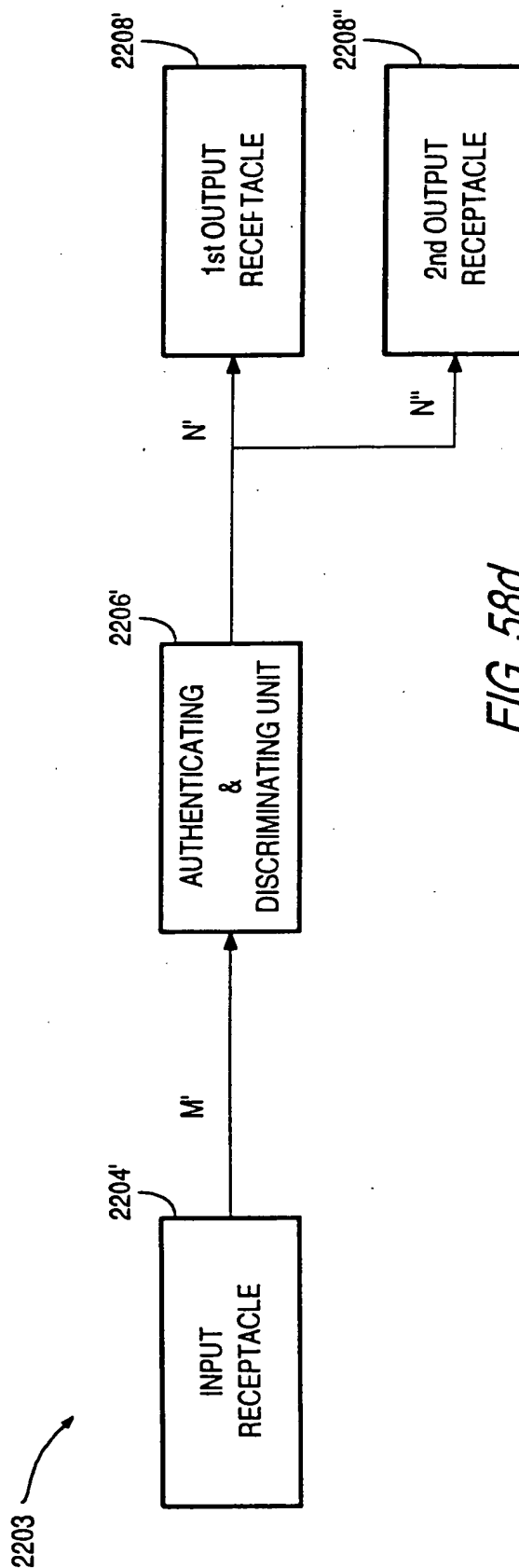


FIG. 58d

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64a

64b

64c

64d

64e

64f

64g

Denom	Sub Bat	Count	Limit	Mode	Batch	Mode	Add	Verify	Unit	SD	Density	
							\$ 1	\$ 5	\$ 10	\$ 20	\$ 50	\$ 100
Clear	Strap	Cont	Day	Sub Bat	End	Denom	\$ 2	Set Strip				

FIG. 59

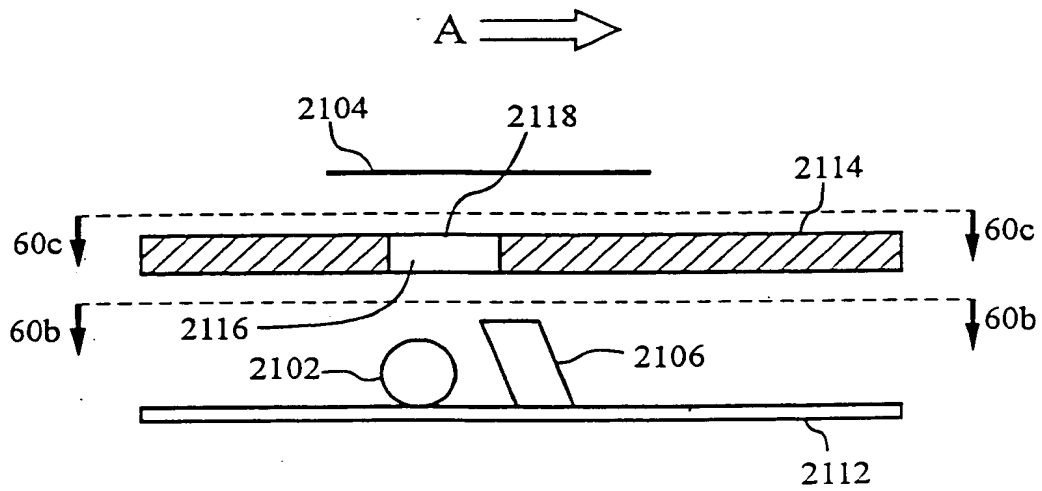


FIG. 60a

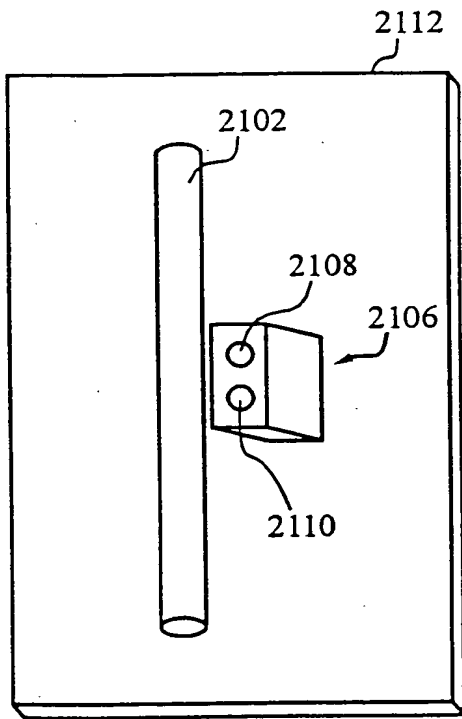


FIG. 60b

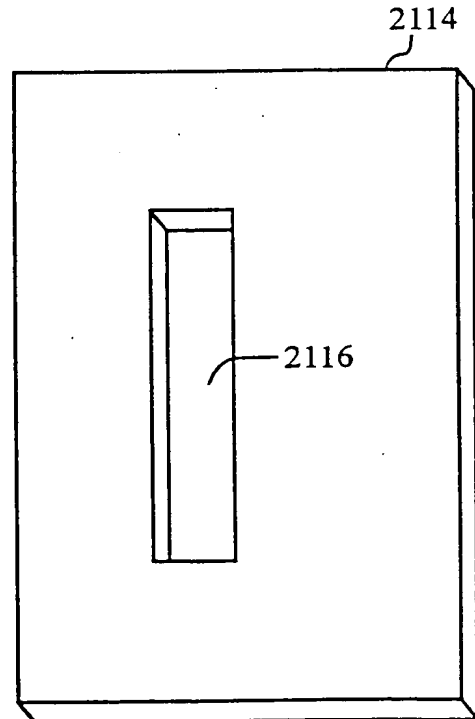


FIG. 60c

005060" TAB55960

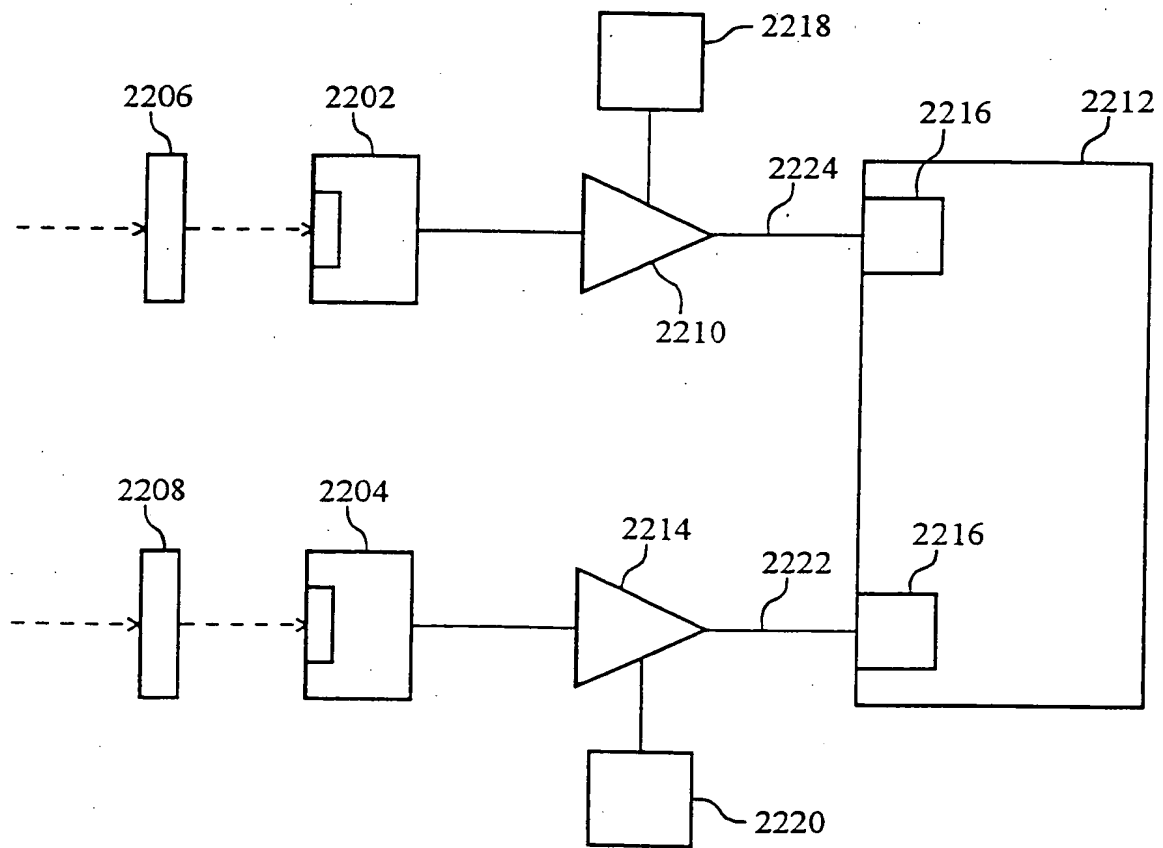
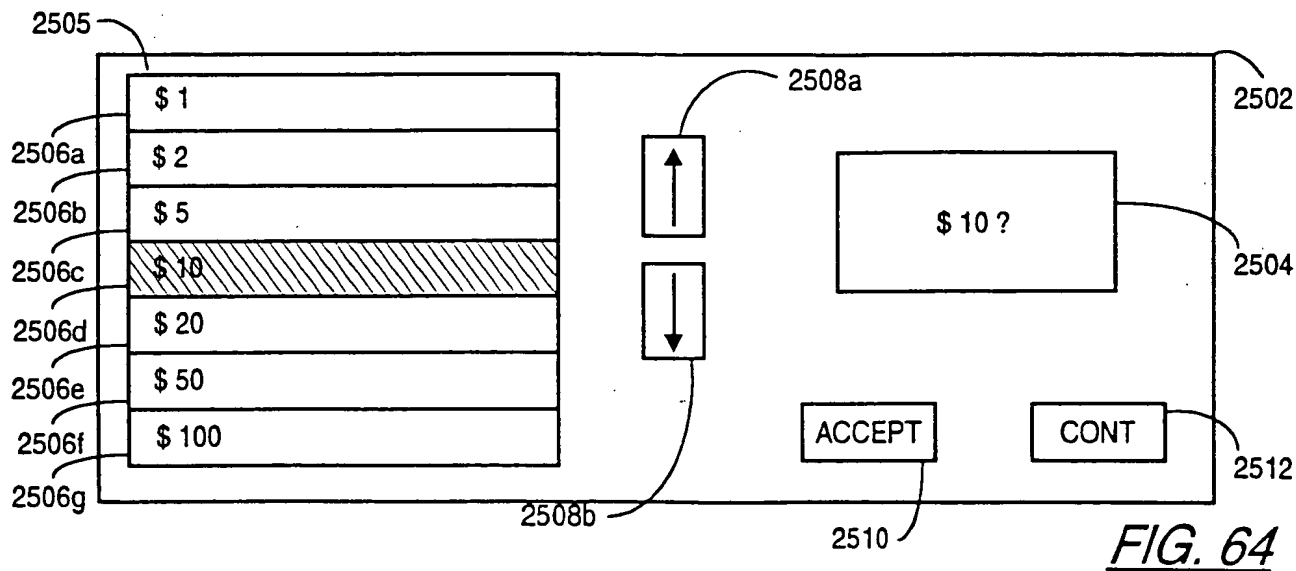
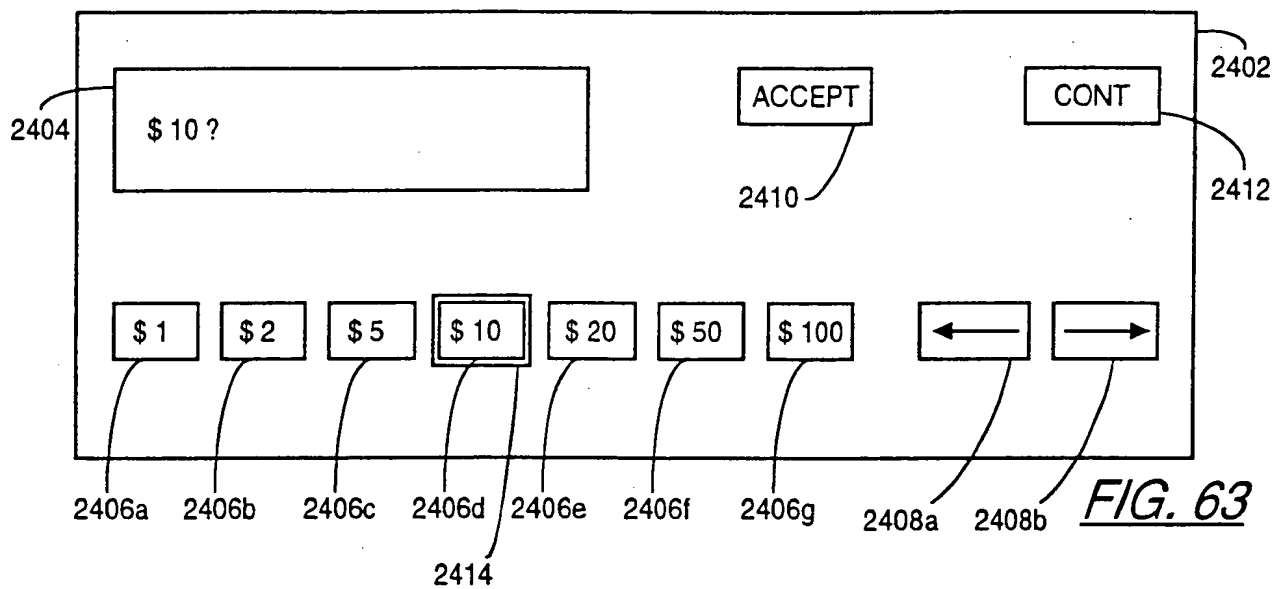
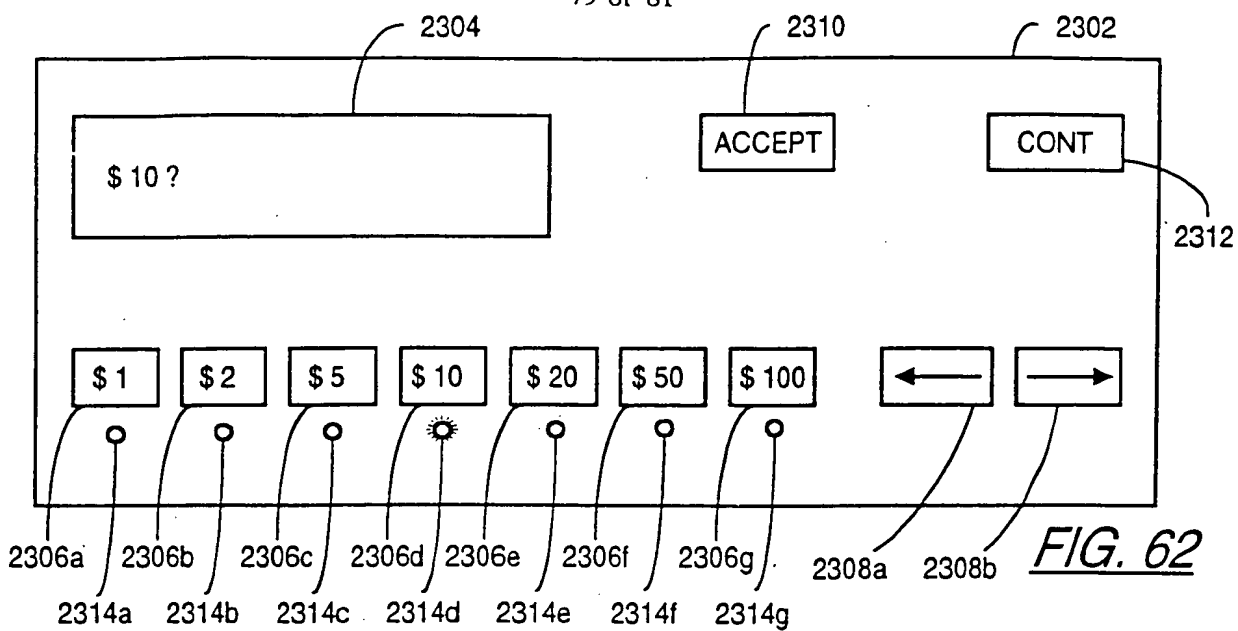


FIG. 61



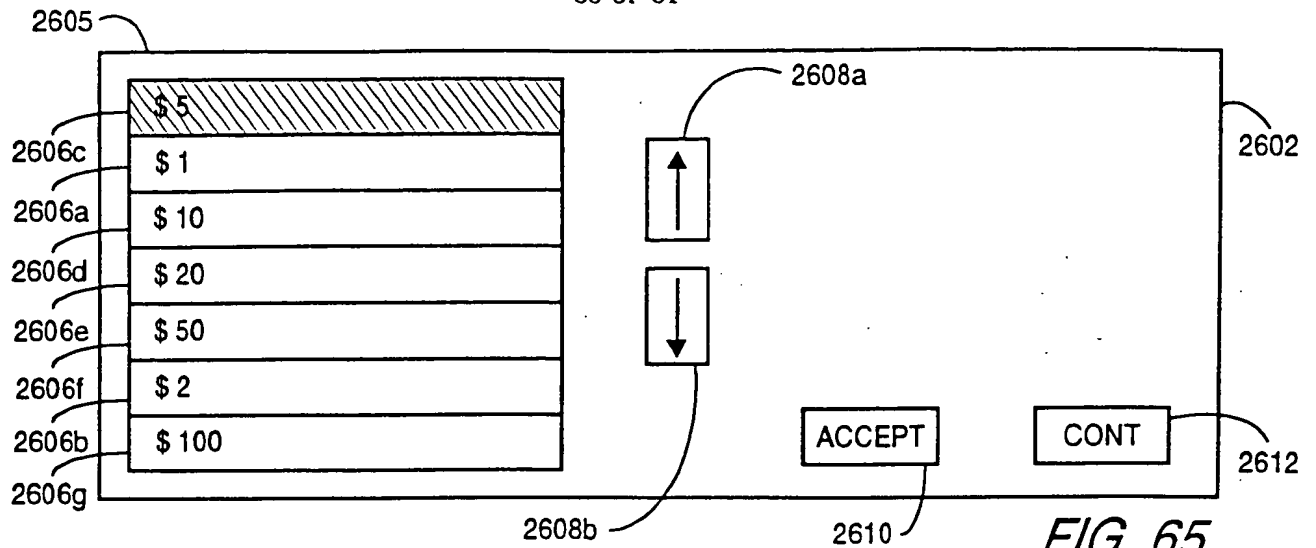


FIG. 65

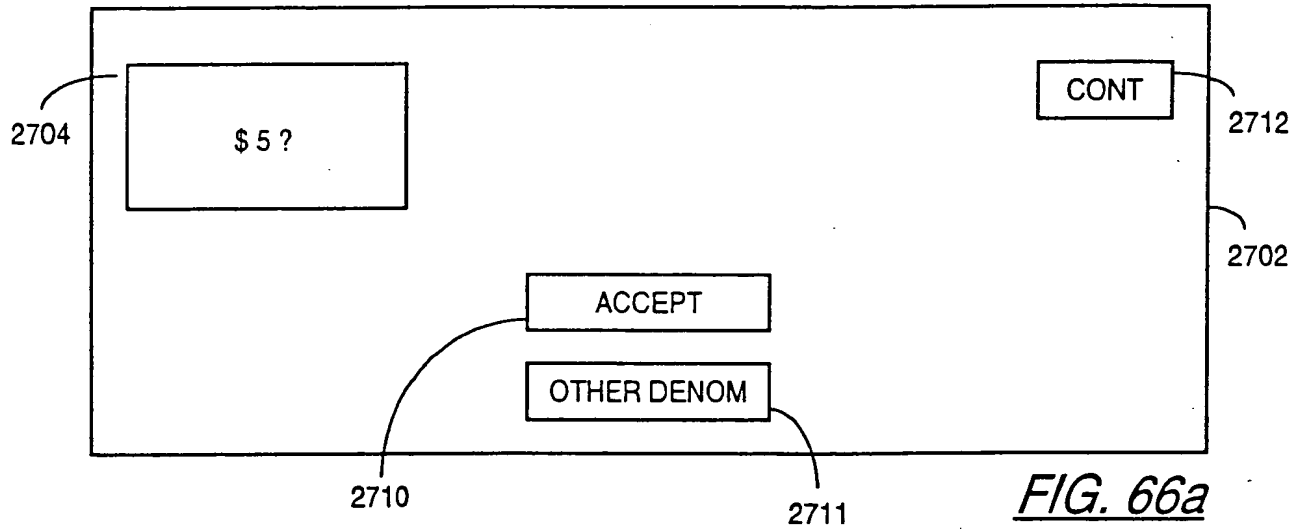


FIG. 66a

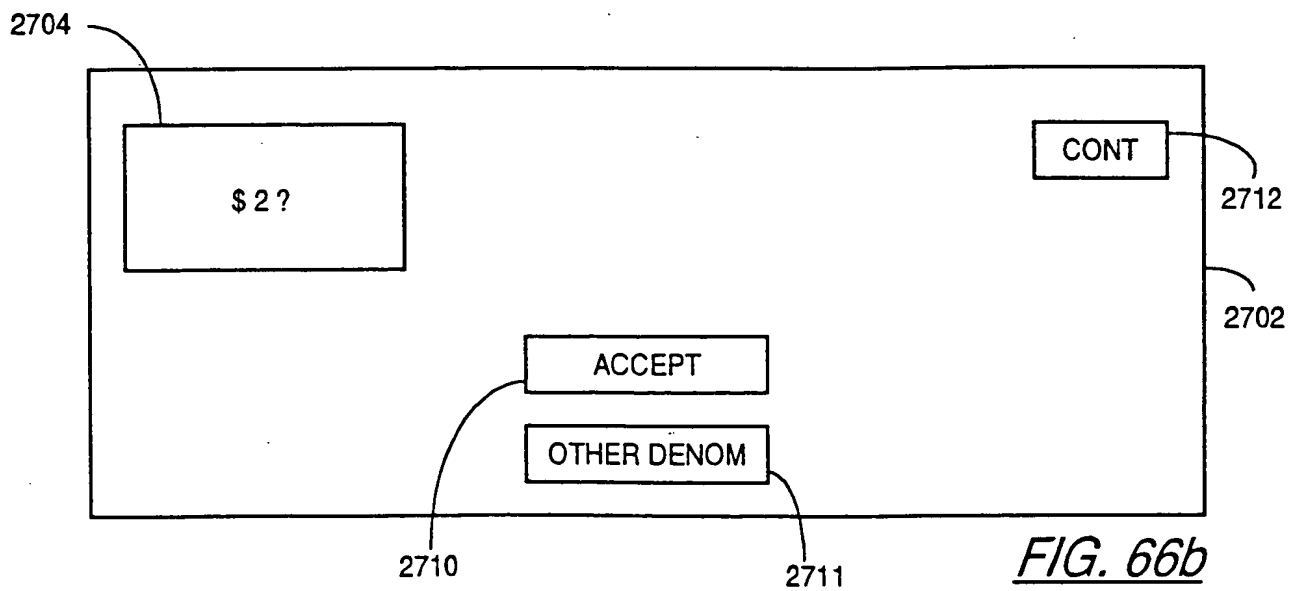


FIG. 66b

005060" T845960

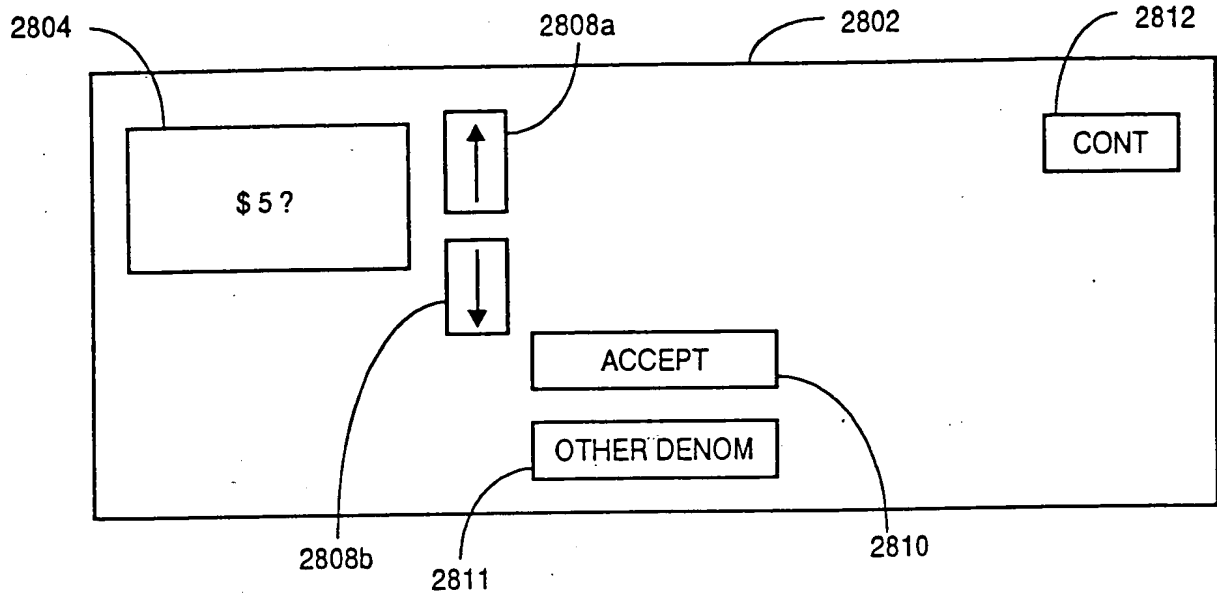


FIG. 67

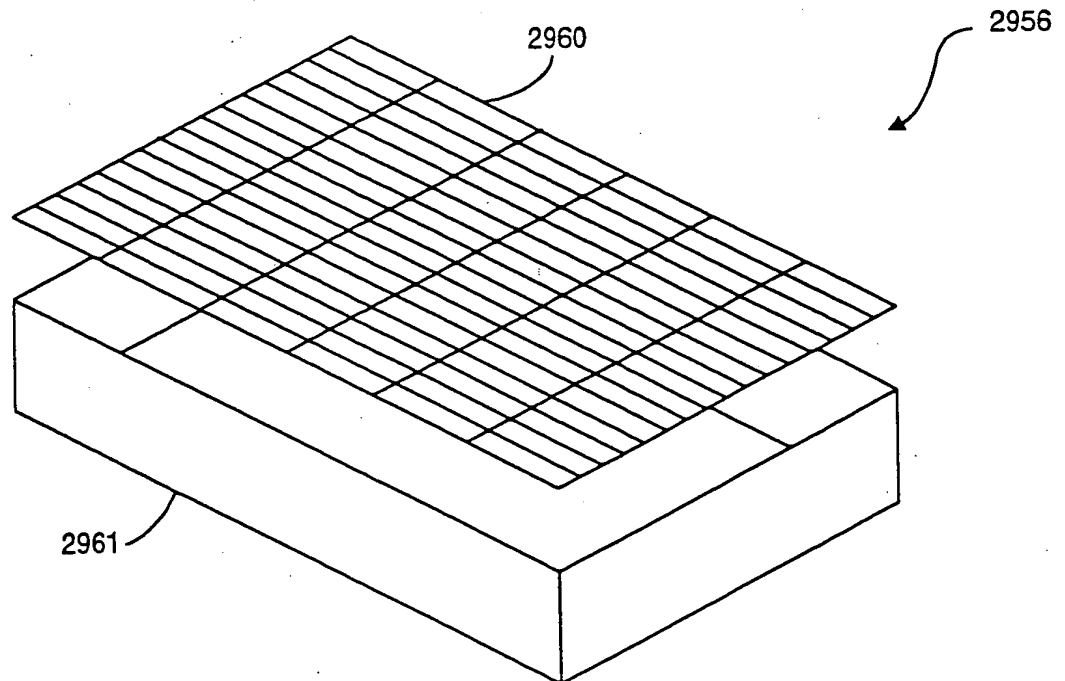


FIG. 68

005060" T8455960